

# TC-W530/W535

## SERVICE MANUAL

TC-W530/W535:  
*US Model*

TC-W530:  
*Canadian Model*  
*AEP Model*



Photo: TC-W530

'Dolby' and the double-D symbol are the trade marks of Dolby laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

### SPECIFICATIONS

Tape Transport	DECK A: TCM-CMAY A-1
Mechanism Type	DECK B: TCM-CMAY B-1

#### Recording system

4-track 2-channel stereo

#### Fast-forward and rewind time

Approx. 90 sec. (with C-60 cassette)

#### Bias frequency

105 kHz


#### Signal-to-noise ratio (NAB, at peak level)

Dolby NR switch	OFF	B-TYPE ON	C-TYPE ON
Cassette			
TYPE IV (Sony METAL-ES)	58 dB	65 dB	71 dB
TYPE II (Sony UCX-S)	57 dB	64 dB	70 dB
TYPE I (Sony HF-S)	54 dB	61 dB	67 dB


#### Total harmonic distortion

1.0% (with Sony METAL-ES cassette)

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

#### Frequency response

##### DOLBY NR OFF

- With TYPE IV cassette (Sony METAL-ES)  
20 - 16,000 Hz  
30 - 15,000 Hz (±3 dB)  
30 - 13,000 Hz (±3 dB, 0 VU recording)
- With TYPE II cassette (Sony UCX-S)  
20 - 16,000 Hz  
30 - 15,000 Hz (±3 dB)
- With TYPE I cassette (Sony HF-S)  
20 - 15,000 Hz  
30 - 14,000 Hz (±3 dB)

#### Wow and flutter Inputs

0.07% WRMS (NAB)  
Line inputs (phono jacks)  
Sensitivity 77.5 mV (-20 dB)  
Input impedance 50 kilohms

#### Outputs

Line outputs (phono jacks)  
Output level 0.44 V (-5 dB)  
at load impedance 47 kilohms  
Output impedance below 10 kilohms  
Headphone output (stereo phone jack)  
Output level -28 dB at a load impedance of 8 ohms

0 dB = 0.775 V

— Continued on page 2 —



STEREO CASSETTE DECK  
**SONY**

TC

# TC-W530/W535

## General

### Power requirements

TC-W530:  
 US, Canadian Model;  
 120 V ac, 60 Hz  
 AEP Model;  
 220 V ac, 50/60 Hz  
 (240 V ac adjustable by authorized  
 Sony personnel)  
 TC-W535:  
 Supplied from the outside.

### Power consumption

23 watts

### Dimensions

Approx. 430 x 130 x 275 mm (w/h/d)  
 (17 x 5<sup>1</sup>/<sub>8</sub> x 10<sup>7</sup>/<sub>8</sub> inches)  
 including projecting parts and controls

### Weight

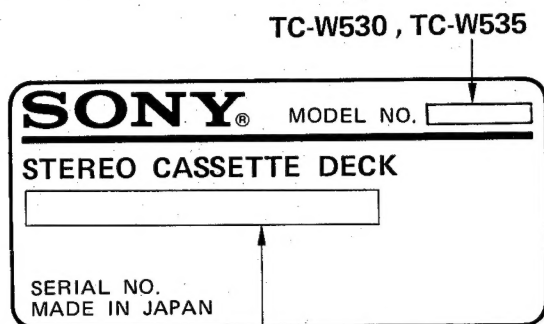
Approx. 5 kg (11 lbs 1 oz)

### Supplied accessories

Connecting cord (2)  
 Remote control cord (1)

## MODEL IDENTIFICATION

— Specification Label —



US, Canadian model: AC: 120 V ~ 60 Hz 23 W  
 AEP model: AC: 220 V ~ 50/60 Hz 23 W

## SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

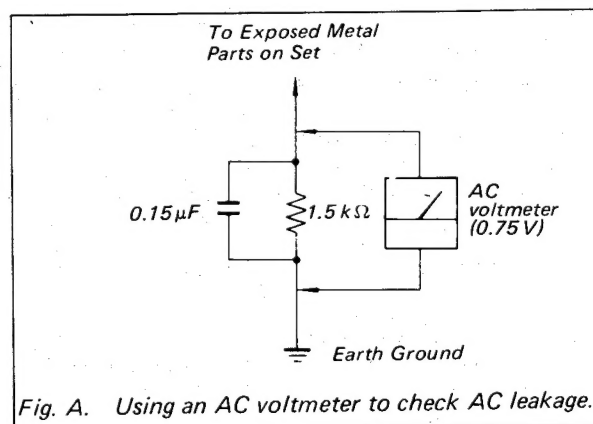


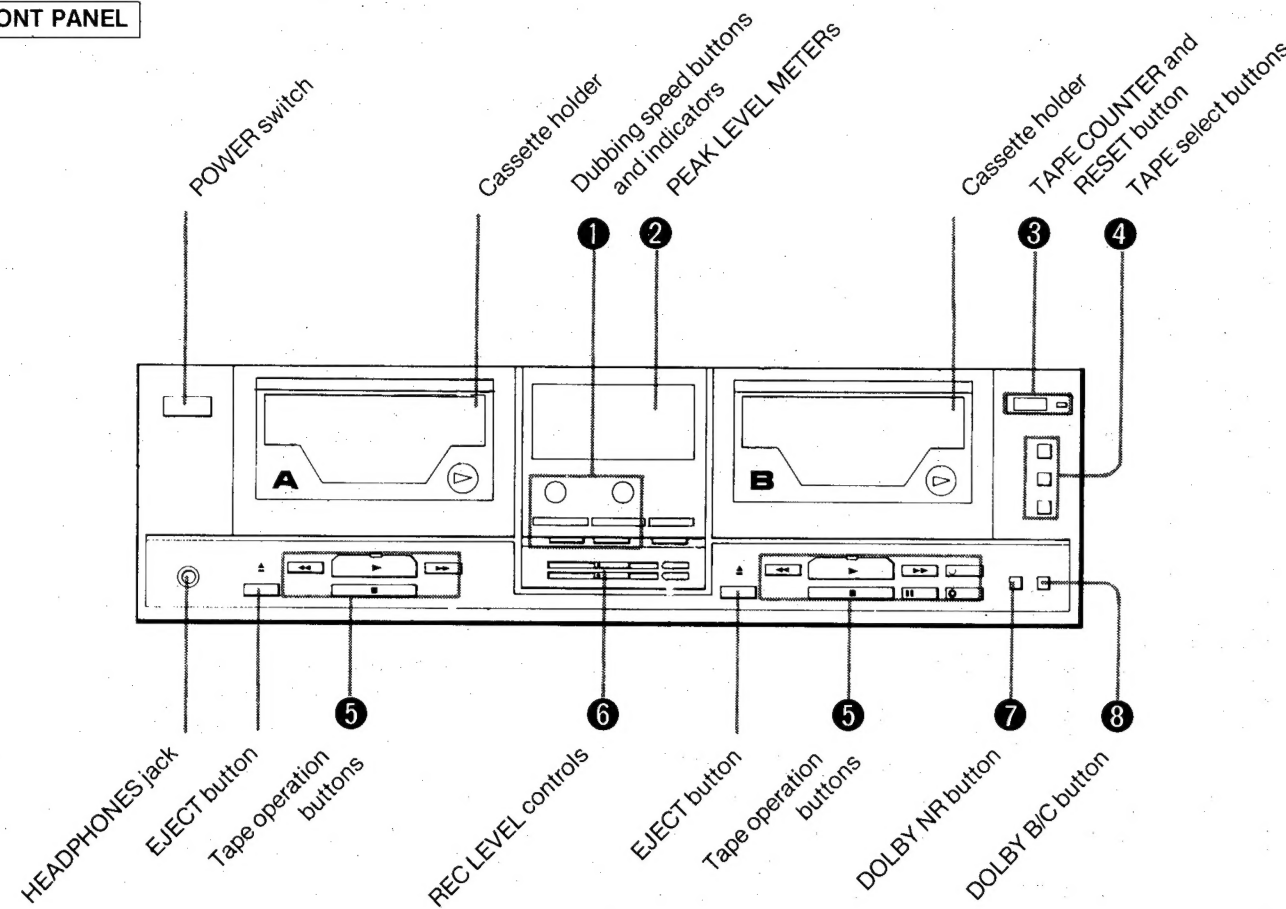
Fig. A. Using an AC voltmeter to check AC leakage.

## SECTION 1 OUTLINE

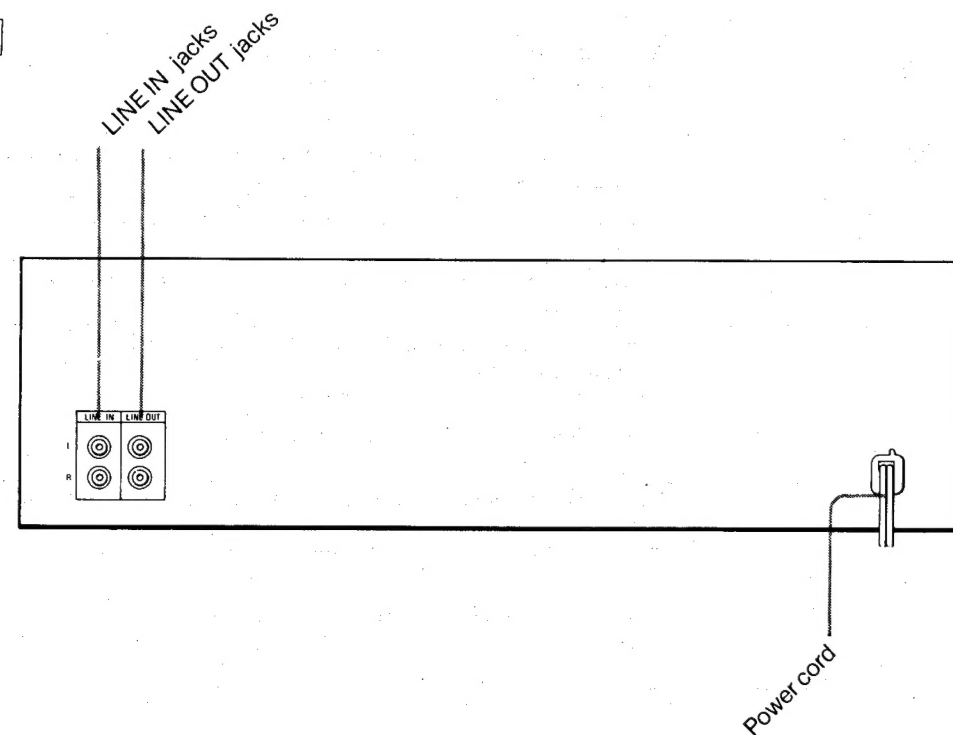
## TC-W530/W535 TC-W530/W535

### 1-1. FUNCTION OF CONTROLS

#### FRONT PANEL



#### REAR PANEL



#### FRONT PANEL

- 1 **Dubbing speed select buttons and indicators**  
HIGH SPEED: Press for high speed dubbing.  
NORMAL SPEED: Press for normal speed dubbing.
- 2 **PEAK LEVEL METERS**  
These meters show the peak input level of each channel during recording, and recorded levels during playback. The left-most segment of each meter lights when the power is turned on.
- 3 **TAPE COUNTER and RESET button (deck B)**  
The tape counter provides a numerical reference point. To reset to zero, press the reset button.
- 4 **TAPE select buttons (deck B)**  
Press these buttons to select the type of tape you use. The optimum bias current adjustment for recording and the optimum equalization adjustment for both recording and playback are set.

Tape type	TAPES (C46-C90)
TYPE I (NORMAL)	SONY: HF, EF, CHF, HF-S Other TYPE I equivalent tapes (For 120 $\mu$ s and NORMAL BIAS)
TYPE II (CrO <sub>2</sub> )	SONY: UCX, UCX-S, UX, UX-S, UX-ES, UX-PRO Other TYPE II equivalent tapes (For 70 $\mu$ s and HIGH BIAS)
TYPE IV (METAL)	SONY: METAL-ES Other TYPE IV equivalent tapes (For 70 $\mu$ s and METAL BIAS)

- 5 **Tape operation buttons**  
  - ▲ (eject) button
  - ◀ (fast reverse) button
  - (stop) button
  - ▶ (forward) button
  - ▶▶ (fast forward) button
  - REC (record) button (deck B)

To start recording, keeping this button pressed, press the ▶ (or ◀ for TC-WR730) button.






















  - (record muting) button (deck B)
  - || PAUSE button (deck B)

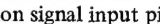

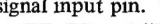
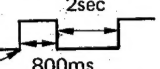



Press to stop the tape momentarily during recording or playback. To disengage pause mode, press it again.
- 6 **REC LEVEL (recording level) controls**  
Adjust the recording level by observing the PEAK LEVEL METERS.
- 7 **DOLBY NR\* button**  
To record with the Dolby NR (Noise Reduction) process, depress this button (ON). To record without the Dolby NR process, press to release this button (OFF). When playing back, set this button to the same position used in recording.  
\* "Dolby" and the double-D symbol are trade mark of the Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation. The Dolby NR system reduces tape hiss and improves the signal-to-noise ratio at low-level high-frequency signals.
- 8 **DOLBY B/C button**  
When the Dolby NR process is used, select the type by this button. For the C-type, depress this button.

## 1-2. IC501 (M50742-404) PIN FUNCTIONS

IC501 (M50742-404) is a 4 bit microcomputer which controls the mechanism, does key input and LED display.

The pin functions, key matrix and LED matrix descriptions follow.

Pin No.	Pin Name	I/O	Function
1	VDD	—	Power supply pin.
2	A-MOTOR (FWD)	O	A deck reel motor (FWD) drive output pin. "L" when A deck reel motor rotates FWD, otherwise "H".
3	A-MOTOR (REV)	O	A deck reel motor (REV) drive output pin. "L" when A deck reel motor rotates reverse, otherwise "H".
4	B-MOTOR (FWD)	O	B deck reel motor (FWD) drive output pin. "L" when B deck reel motor rotates FWD, otherwise "H".
5	B-MOTOR (REV)	O	B deck reel motor (REV) drive output pin. "L" when B deck reel motor rotates reverse, otherwise "H".
6	LED3	O	Anode side output pins to dynamically light up LED.
7	LED2		
8	LED1		
9	LED0		
10	KEY7	I	Key matrix key return signal input pins.
11	KEY6		
12	KEY5		
13	KEY4		
14, 15			Not used.
16	SYNCHRO- 	I	Synchro pause release signal input pin. "L" when synchro pause release signal is input; otherwise "H". Only accepted when B deck is in recording mute or recording pause.
17	SYNCHRO- 	I	Synchro recording mute signal input pin. "L" when synchro recording mute signal is input; otherwise "H". Only accepted during B deck recording.  If 16 SYNCHRO-  and 17 SYNCHRO-  above both input "L" at the same time, remote control AMS/  input is judged, and during recording, recording mute operation results.
18	B- 	I	B deck  key input pin.
19	B- 	I	B deck  key input pin.
20	B- 	I	B deck  key input pin.
21	B- 	I	B deck  key input pin.
22	B- 	I	B deck  key input pin.
23	B- 	I	B deck  key input pin.
24	B- 	I	B deck  key input pin.
25	B- 	I	B deck  key input pin.
26	POWER OFF	I	Power detection pin. "H" is input for power ON and "L" for power OFF. For power OFF when head is up, the head is lowered immediately.
27	GND	—	Ground pin.
28	RST	I	External reset signal input pin. Reset operation is performed for "L" level input.
29	XI	I	Clock oscillation pins. (3.58 MHz on this model.)
30	XO	O	
31			Not used.
32	GND	—	Ground pin.

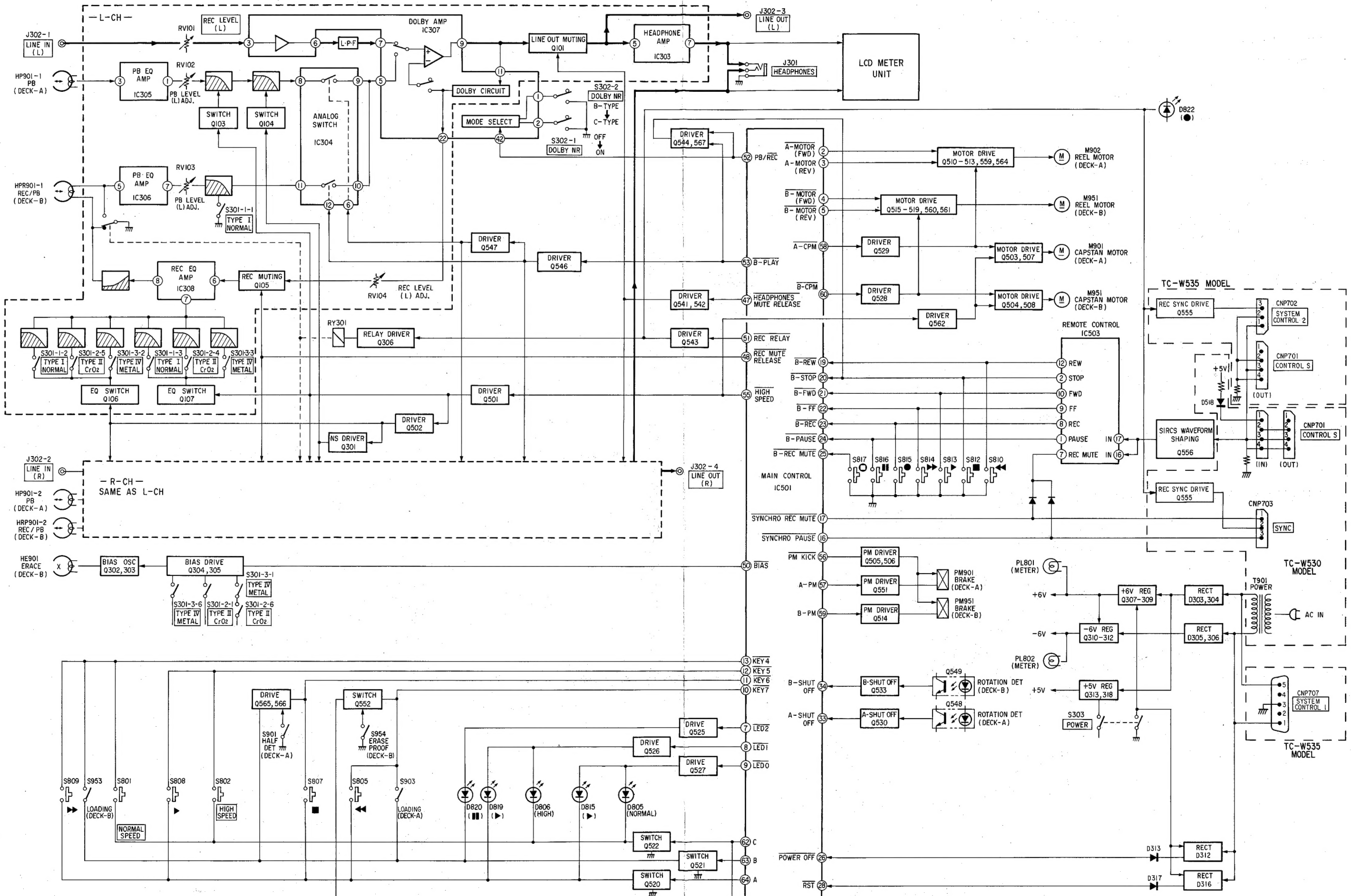
Pin No.	Pin Name	I/O	Function
33	A-SHUT OFF	I	<ul style="list-style-type: none"> <li>A deck reel table rotation signal input pin. When a pulse () is input during A deck PB, FF, FR and "H" continues for 2 seconds during PB or 0.5 seconds during FF or FR, shut off occurs.</li> <li>During power ON Switching input pin for 1 direction/2 direction playback. 1 direction playback:  H L POWER ON</li> <li>2 direction playback: "H" (Not used on TC-W530)</li> </ul>
34	B-SHUT OFF	I	B deck reel table rotation signal input pin. When a pulse (  ) is input during B deck PB, recording, FF, FR and "H" continues for 2 seconds during PB or recording or for 0.5 seconds during FF or FR, shut off occurs.
35-37			Not used.
38	AMS SIG	I	AMS signal input pin. "H" during recorded portion, "L" during blank.
39-41			Not used.
42	TIMER	O	"L" for two seconds only after reset (0.8 seconds), otherwise "H".   POWER ON
43-46			Not used.
47	H.P MUTE RELEASE	O	Headphone, line output meter muting release signal output pin. "L" for A deck playback, B deck playback and recording, and dubbing; otherwise "H".
48	REC MUTE RELEASE	O	Recording muting release signal output pin. "L" during B deck recording and dubbing, otherwise "H".
49			Not used.
50	BIAS	O	Recording bias oscillation control signal output pin. "L" during B deck recording and dubbing, otherwise "H".
51	REC RELAY	O	Relay control signal output pin. "L" when B deck  (REC) key, HIGH SPEED DUBBING key or NORMAL SPEED DUBBING key is ON, otherwise "H".
52	PB/REC	O	Playback/recording switching signal output pin. "L" when B deck  (REC) key is ON, otherwise "H".
53	B-PLAY	O	A deck/B deck switching signal output pin. "L" during B deck playback, otherwise "H".
54			Not used.
55	HIGH SPEED	O	Normal speed dubbing/high speed dubbing switching signal output pin. "L" for high speed dubbing, otherwise "H".
56	PM-KICK	O	Plunger solenoid kick signal output pin.  during plunger solenoid kick, otherwise "H".
57	A-PM	O	A deck plunger solenoid control signal output pin. "H" when A deck plunger solenoid is ON, otherwise "L".
58	A-CPM	O	A deck capstan motor control signal output pin. "L" when A deck capstan motor is ON, otherwise "H". This output is used to lower reel motor torque.
59	B-PM	O	B deck plunger solenoid control signal output pin. "H" when B deck plunger solenoid is ON, otherwise "L".
60	B-CPM	O	B deck capstan motor control signal output pin. "L" when B deck capstan motor is ON, otherwise "H". This output is used to lower reel motor torque.
61	D	O	Key matrix signal source output and cathode side output for dynamic lighting of LED.
62	C		
63	B		
64	A		



# 1-3. BLOCK DIAGRAM

TC-W530/W535

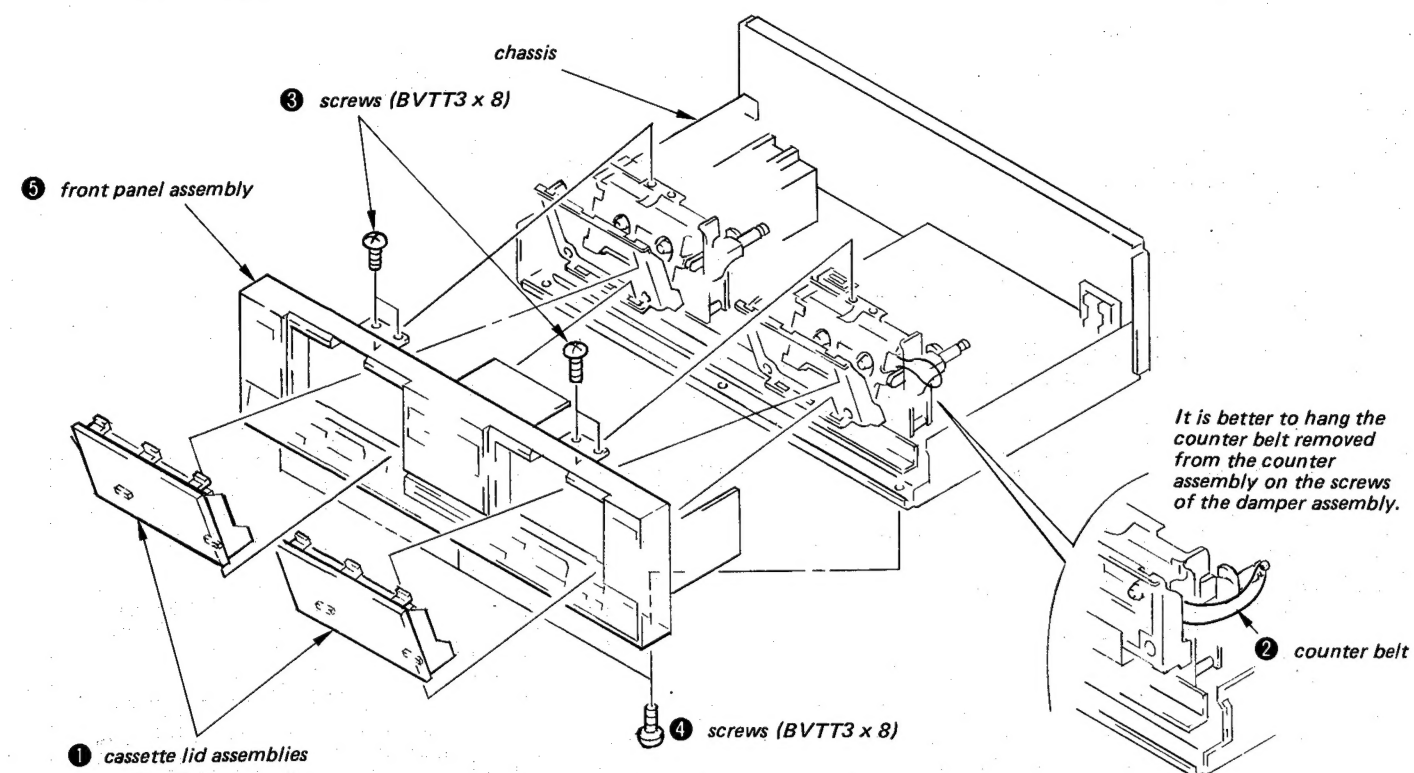
TC-W530/W535



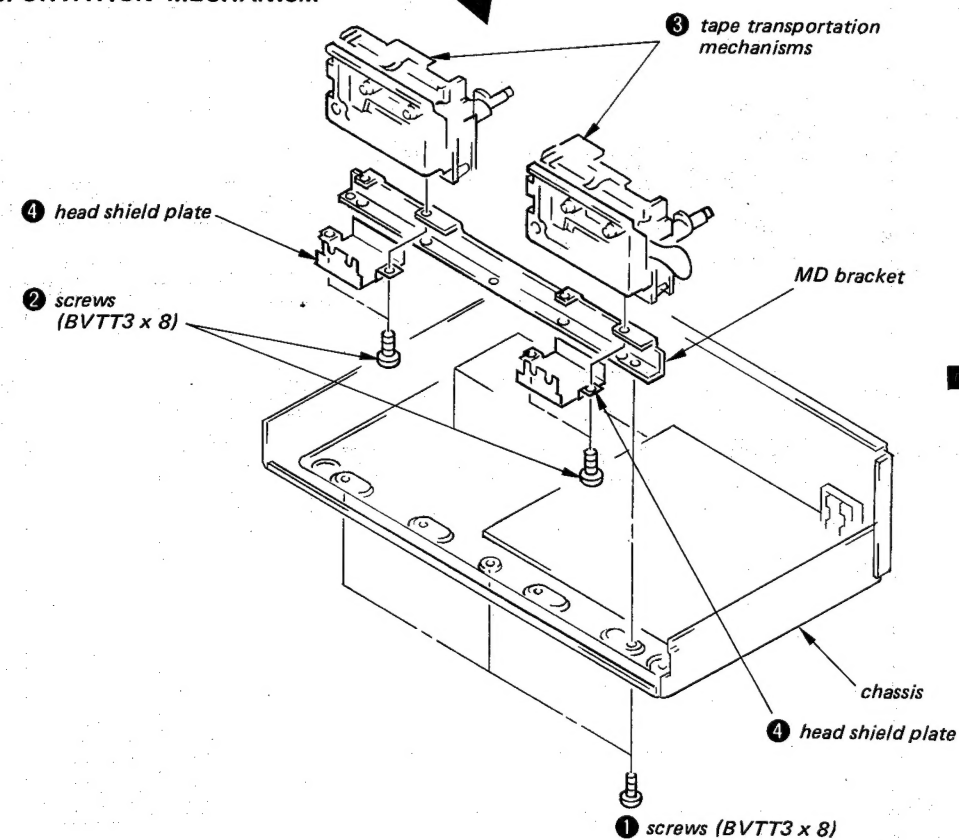
## SECTION 2 DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

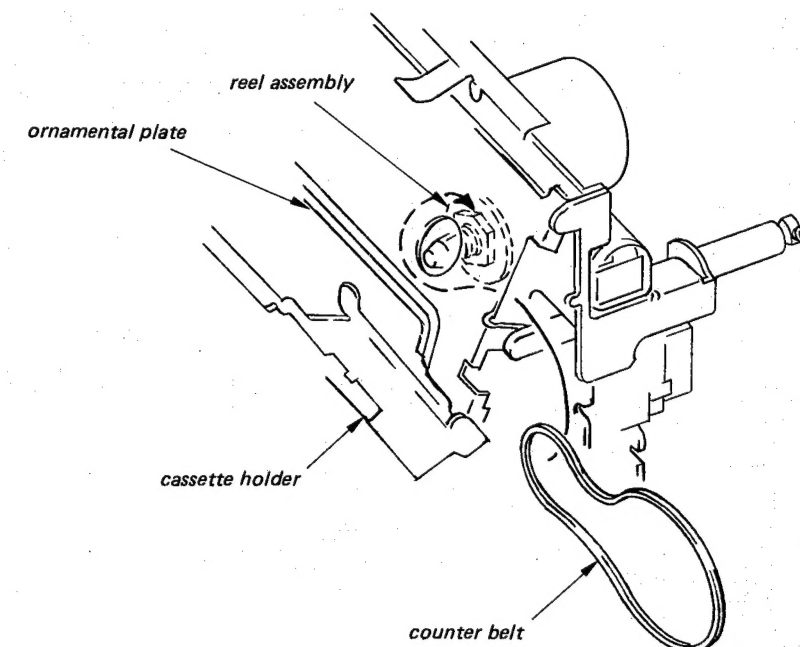
### FRONT PANEL



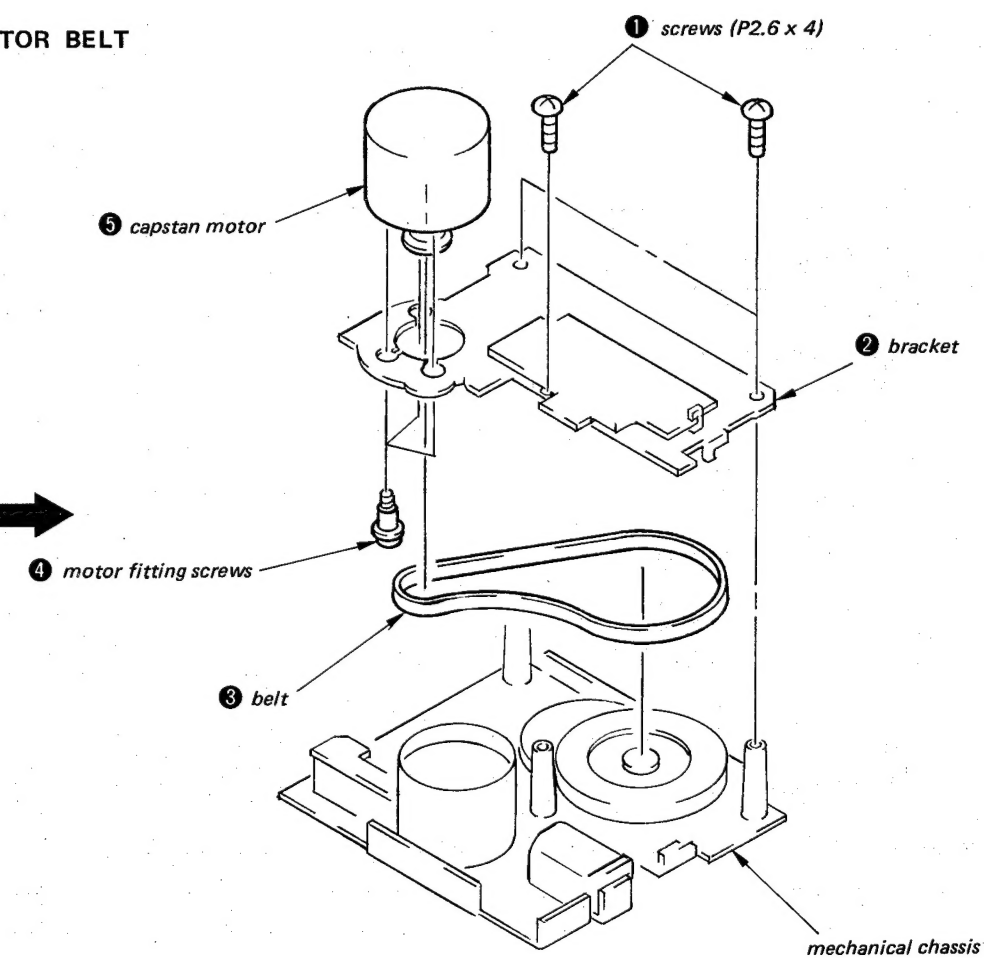
### TAPE TRANSPORTATION MECHANISM



### COUNTER BELT (DECK B)



### MOTOR BELT



## SECTION 3 ADJUSTMENTS

### 3-1. MECHANICAL ADJUSTMENTS

#### PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
 

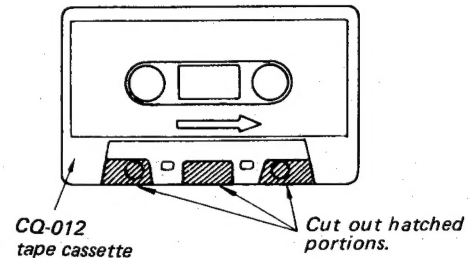
record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

#### Torque Measurement

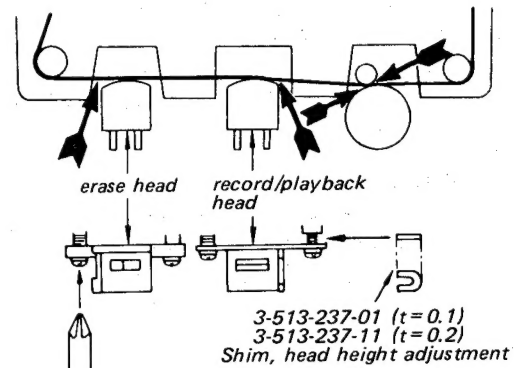
Torque	Torque meter	Meter reading
FWD	CQ-102C	25 to 75 g·cm (0.35 to 1.04 oz·inch)
FWD Back tension	CQ-102C	1 to 10 g·cm (0.014 to 0.14 oz·inch)
FF, REW	CQ-201B	80 to 180 g·cm (1.11 to 2.5 oz·inch)

#### Head Height Adjustment

1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at arrowed portions.



## 3-2. ELECTRICAL ADJUSTMENTS

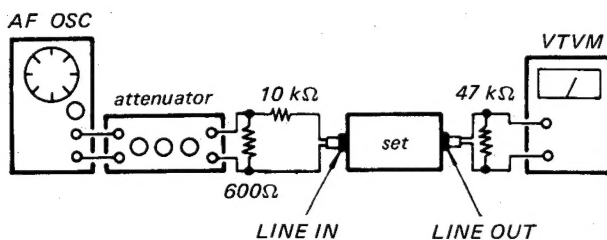
1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch: OFF  
 SYNCHRO DUBBING switch: NORMAL SPEED  
 TAPE SELECT switch: TYPE I (DECK B)

- Standard Record:  
 Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Mode: record



### Standard Input Level

	LINE IN
source impedance	10 kΩ
input level	0.25 V (-10 dB)

### Standard Output Level

	LINE OUT
load impedance	47 kΩ
output level	0.44 V (-5 dB)

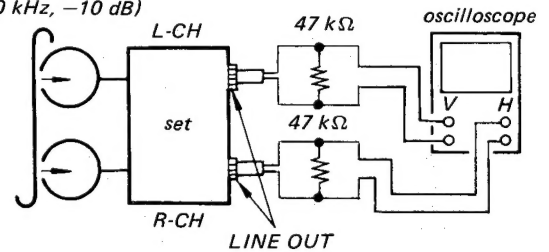
## Record/Playback Head Azimuth Adjustment **DECK A**

**DECK B**

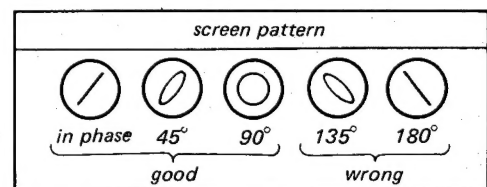
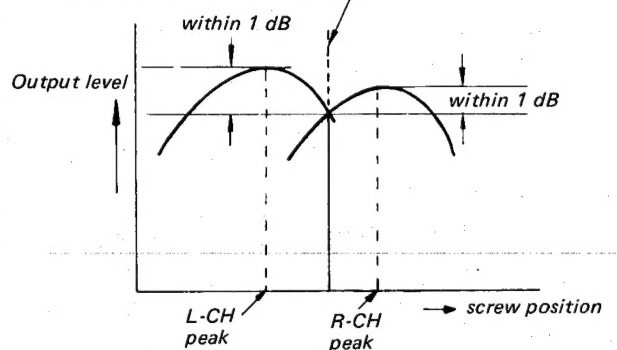
### Procedure:

1. Mode: playback

test tape  
 P-4-A 100  
 (10 kHz, -10 dB)

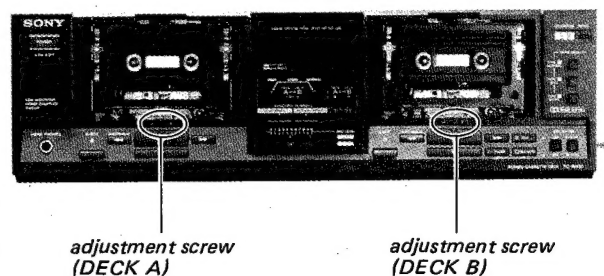


2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



3. After the adjustment finishing with tightening direction, lock the adjustment screw with locking compound.
4. After the locking compound dried out, reassemble the function switch block.

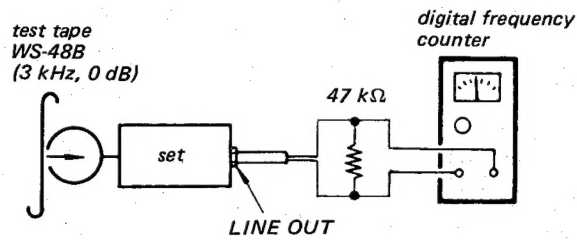
### Adjustment Location:



# Tape Speed Adjustment **DECK A** **DECK B**

## Procedure:

Mode: playback



## Specifications:

	Adjustment part		Test pin (TP x2)	Digital frequency counter
High speed	Deck A	RV501	SHORT	5960 to 6040 Hz
	Deck B	RV503		
Normal speed	Deck A	RV502	OPEN	2980 to 3020 Hz
	Deck B	RV504		

Adjustment Location: audio board

high speed : SHORT  
normal speed : OPEN



DECK A {  
    high speed  
    RV501  
    normal speed  
    RV502

DECK B {  
    RV503  
    high speed  
    RV504  
    normal speed



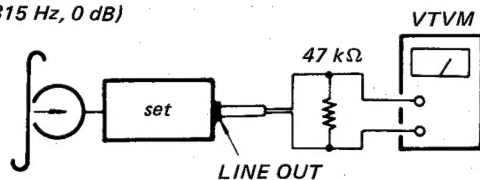


## Playback Level Adjustment **DECK A** **DECK B**

### Procedure:

Mode: playback

test tape  
P-4-L300  
(315 Hz, 0 dB)



Adjust,

DECK-A side RV102 (L-CH), RV202 (R-CH)

DECK-B side RV103 (L-CH), RV203 (R-CH)

so that the specifications are satisfied.

### Specification:

LINE OUT level: 0.41 to 0.46 V

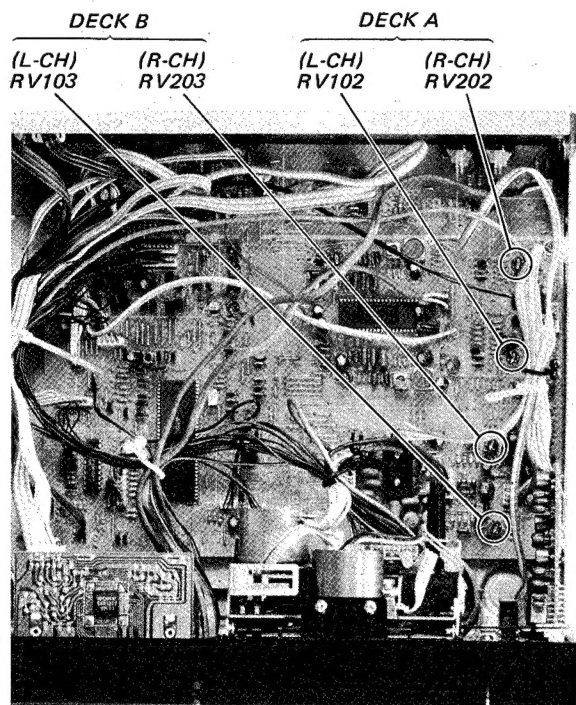
(-5.5 to -4.5 dB)

level difference between the channels:

within 0.5 dB

Confirm that LINE OUT level is not changed when Playback and Stop are repeated.

Adjustment Location: audio board



## Record BIAS Adjustment **DECK B**

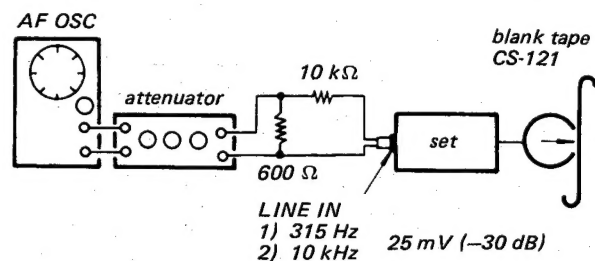
### Setting:

REC LEVEL control: standard record

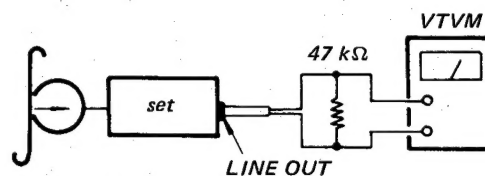
(See page 12.)

### Procedure:

1. Mode: record



2. Mode: playback



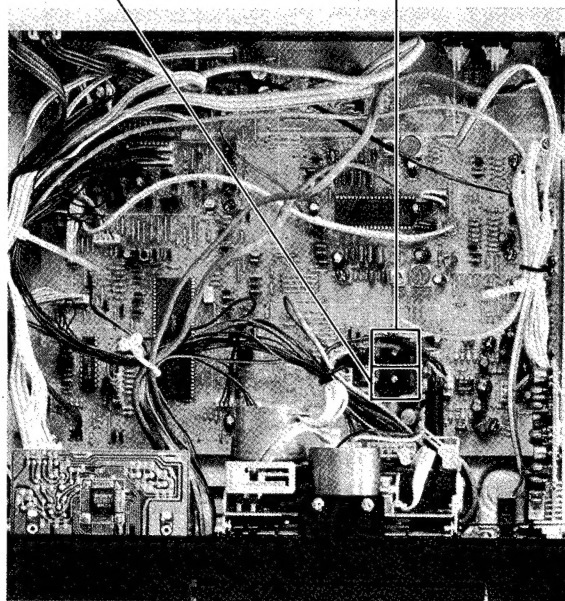
Play back the tape recorded in step 1. If the specification is not satisfied, adjust CT312-1 (L-CH), CT312-2 (R-CH) and repeat steps 1 and 2.

### Specification:

The LINE OUT level of 10 kHz signal relative to that of 315 Hz: -0.5 dB to +0.5 dB.

Adjustment Location: audio board

C312-1 (L-CH) C312-2 (R-CH)

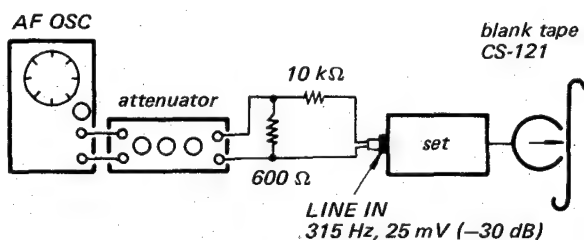


**Record Level Adjustment DECK B****Setting:**

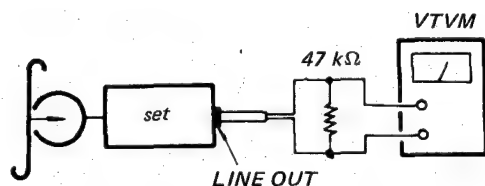
REC LEVEL control: standard record  
(See page 12.)

**Procedure:**

1. Mode: record



2. Mode: playback



Play back the tape recorded in step 1. If the specification is not satisfied, adjust RV104 (L-CH), RV204 (R-CH) and repeat steps 1 and 2.

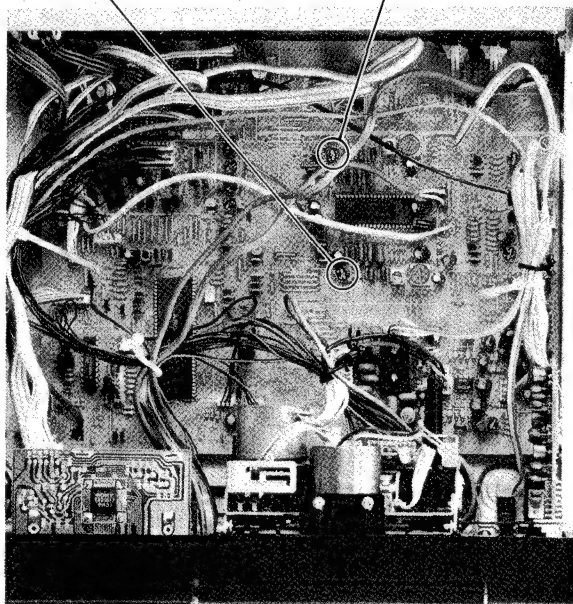
**Specification:**

LINE OUT level: 0.41 to 0.46 V  
(-5.5 to -4.5 dB)

Adjustment Location: audio board

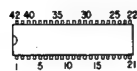
RV104 (L-CH)

RV204 (R-CH)



● Semiconductor Lead Layouts

CX20187



(Top view)

M5220P  
NJM4558D  
 $\mu$ PC4558C

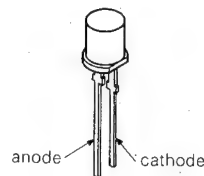


(Top view)

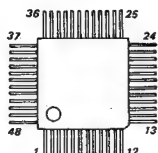
2SA950



AY3427S



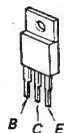
CXD1017Q



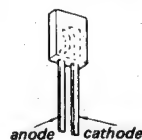
$\mu$ PC4570HA



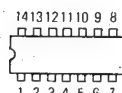
2SB1094L  
2SD1406



GL-9NG260



HD14066BP  
M4066BP  
MB84066B  
TC4066BP



(Top view)

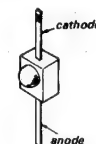
2SA1048  
2SC1740SRT  
2SC2458  
2SC2603  
2SC2710  
DTA114ES  
DTA144ES  
DTC114ES  
DTC143TS  
DTC144ES



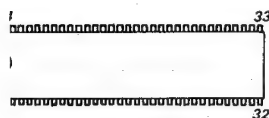
2SB734



PR2222S-B1



M50742-404SP



(Top view)

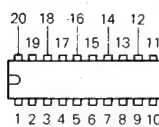
2SB740



SEL2210W  
SEL2910W

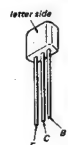


M50761-417P

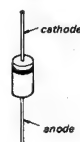


(Top view)

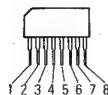
2SA1150  
2SA1175  
2SC2785



10E2N  
HZ4CLL  
HZ6C3L



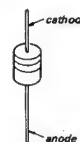
M5218L



2SA733  
2SA933  
2SC945-P  
2SC2120Y



1SS202-1





SECTION 4

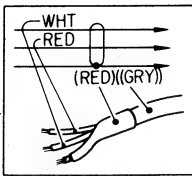
DIAGRAMS

4-1. MOUNTING DIAGRAM — Conductor Side —

• See page 16 for Semiconductor Lead Layouts.

Note:

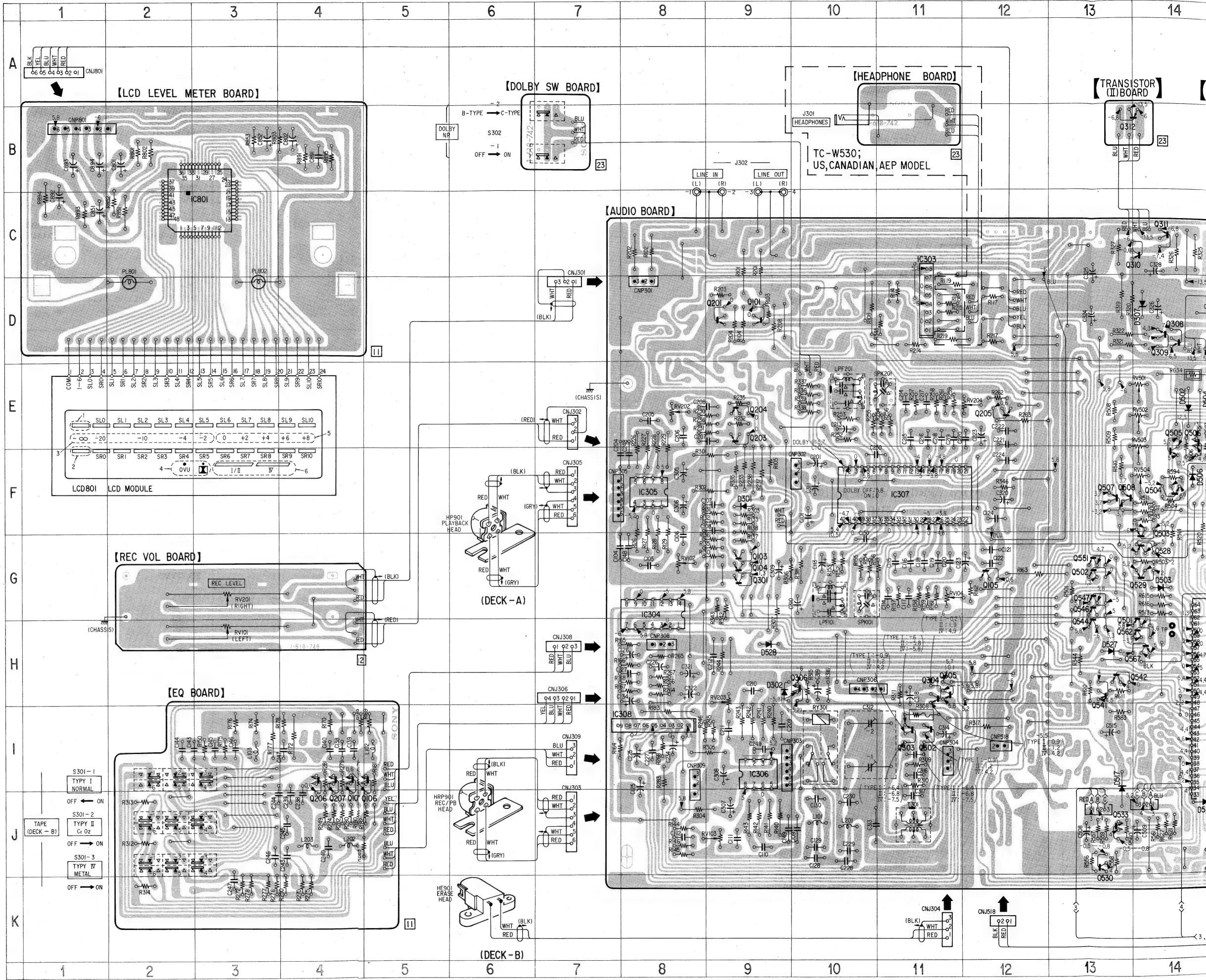
• Color code or sleeving over the end of the jacket.



- — : parts extracted from the component side.
- — : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.

• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	F-9	Q101	D-9	Q533	J-13
D302	H-9	Q103	G-9	Q541	H-13
D303	D-16	Q104	G-9	Q542	H-13
D304	C-16	Q105	G-12	Q543	H-16
D305	C-16	Q106	I-5	Q544	H-13
D306	C-16	Q107	I-4	Q546	G-13
D307	D-14	Q201	D-9	Q547	G-13
D308	D-15	Q203	E-9	Q548	B-28
D309	D-16	Q204	E-9	Q549	G-28
D310	D-15	Q205	E-12	Q551	G-13
D312	E-17	Q206	I-4	Q552	H-16
D313	E-17	Q207	I-4	Q554	H-16
D314	D-14	Q301	G-9	Q555	J-16
D315	D-15	Q302	I-11	Q556	I-17
D316	E-17	Q303	I-11	Q559	G-15
D317	E-17	Q304	H-11	Q560	G-15
D502	E-14	Q305	H-11	Q561	G-15
D503	G-14	Q306	H-10	Q562	H-14
D504	E-14	Q307	B-15	Q564	G-15
D505	E-14	Q308	D-14	Q565	F-17
D506	F-14	Q309	D-14	Q566	F-16
D508	E-16	Q310	C-14	Q567	H-14
D510	E-16	Q311	C-14		
D514	J-14	Q312	B-13		
D517	I-13	Q313	B-16		
D518	J-17	Q318	D-16		
D519	J-17	Q501	H-14		
D521	I-16	Q502	G-13		
D522	I-16	Q503	F-14		
D526	F-16	Q504	F-14		
D527	H-14	Q505	E-14		
D528	H-9	Q506	E-14		
D529	H-16	Q507	F-13		
D801	D-20	Q508	F-13		
D802	D-20	Q509	F-16		
D805	E-22	Q510	F-15		
D806	E-20	Q511	F-16		
D809	G-20	Q512	F-16		
D811	G-21	Q513	E-16		
D812	G-22	Q514	E-15		
D813	G-22	Q515	F-15		
D815	H-21	Q516	F-15		
D819	J-21	Q517	F-15		
D820	J-22	Q518	E-16		
D822	J-23	Q519	E-15		
D825	J-23	Q520	F-16		
		Q521	F-16		
IC303	D-11	Q522	G-16		
IC304	G-8	Q523	H-16		
IC305	F-8	Q524	G-15		
IC306	I-9	Q525	H-15		
IC307	F-11	Q526	H-15		
IC308	I-8	Q527	H-15		
IC501	H-15	Q528	G-14		
IC503	I-16	Q529	G-14		
IC801	C-3	Q530	J-13		

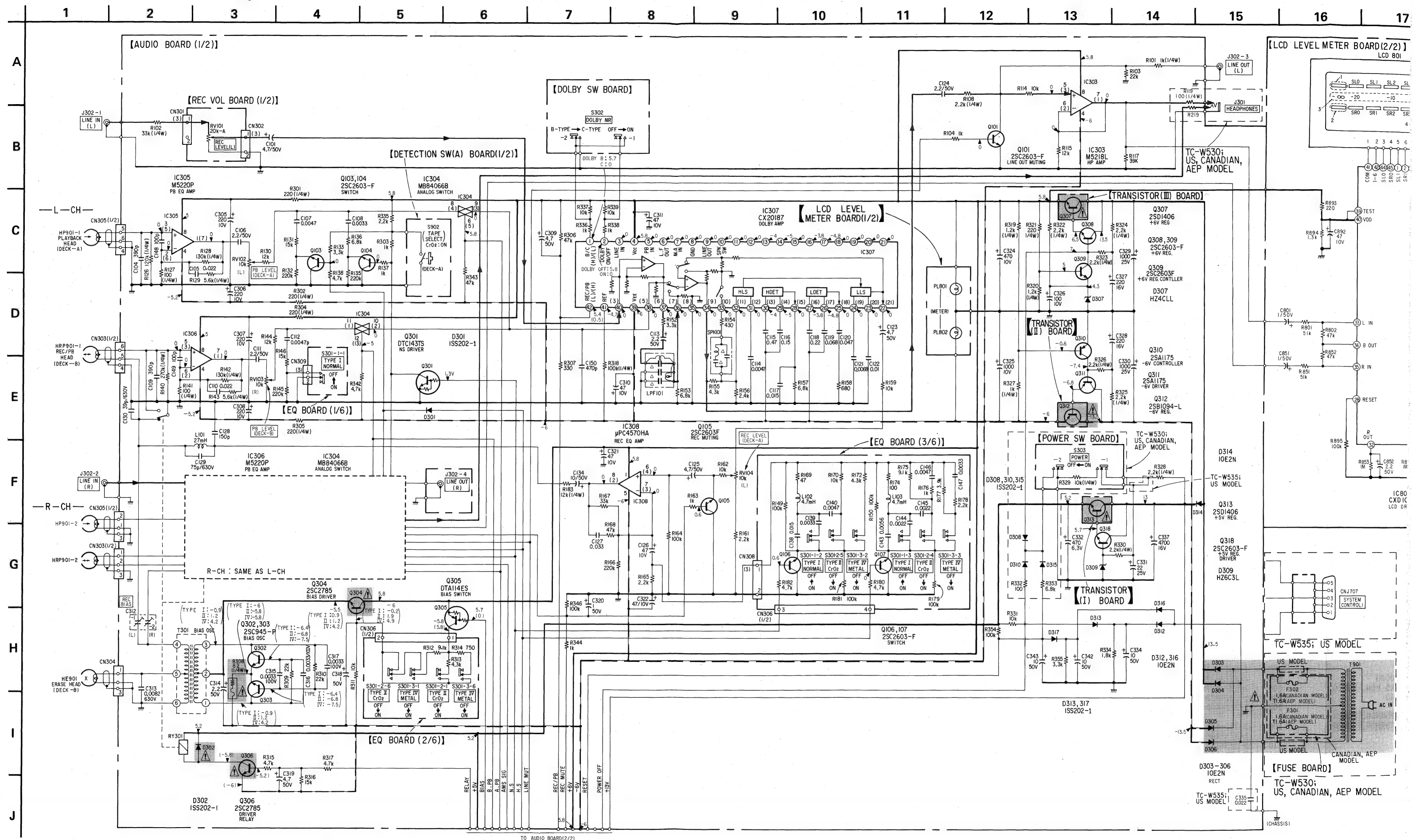


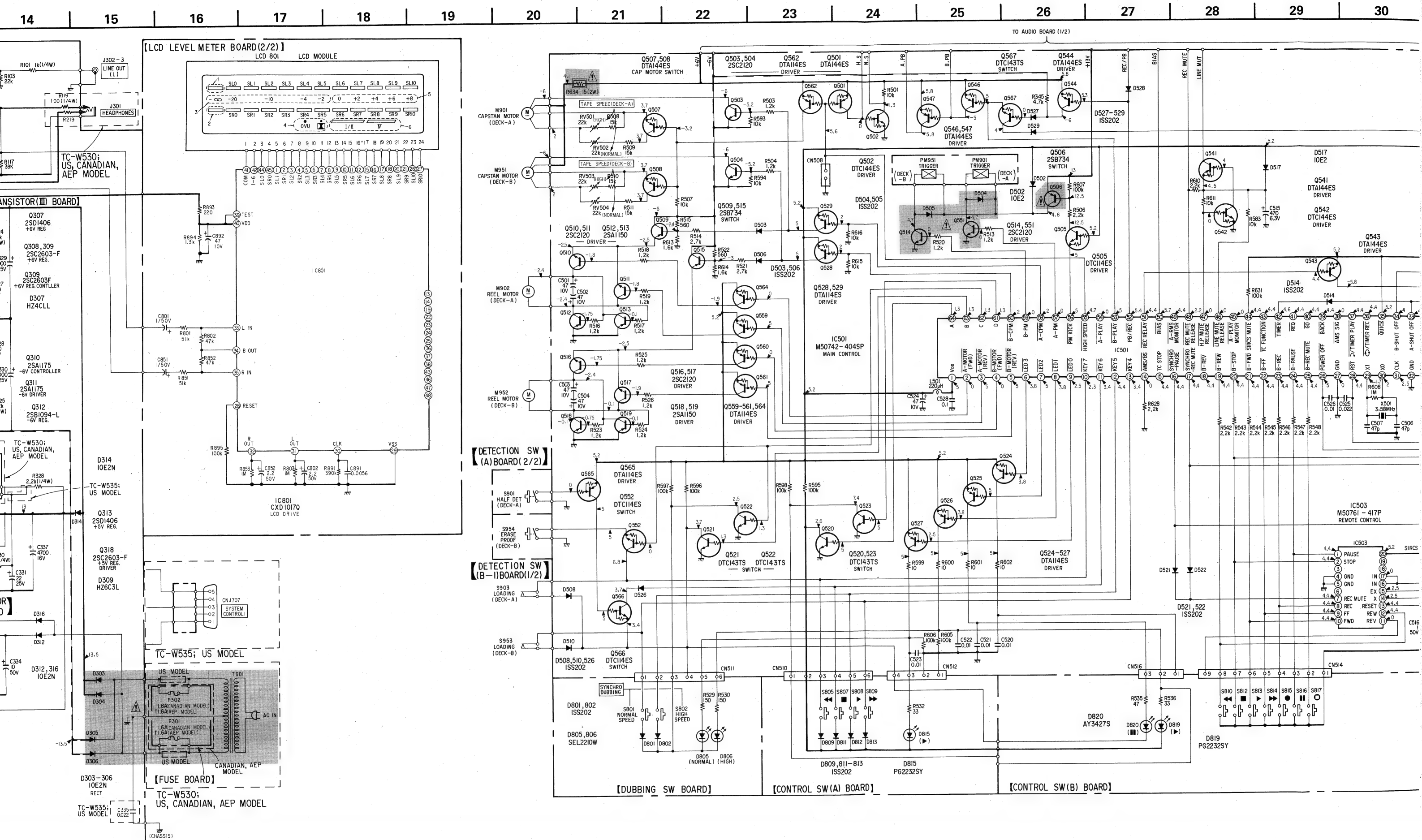






**5-2. SCHEMATIC DIAGRAM** • See page 26 for notes.







SECTION 5  
EXPLODED VIEWS AND PARTS LIST

- Note on Schematic Diagram:**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in ohms,  $\frac{1}{2}\text{W}$  unless otherwise noted.  $\text{k}\Omega$ : 1000  $\Omega$ ,  $\text{M}\Omega$ : 1000  $\text{k}\Omega$
  - $\Rightarrow$  : signal path.
  - Components for right channel have same values as for left channel. Reference numbers are coded from 201.
  - $\triangle$  : internal component.
  - $\text{---}\text{---}$  : fusible resistor.
  - Voltages are dc with respect to ground unless otherwise noted.
  - Readings are taken under no-signal conditions with a VOM.
  - $\blacktriangleright$  : FORWARD
  - $\blacktriangleright\blacktriangleright$  : FAST-FORWARD
  - $\blacktriangleleft\blacktriangleleft$  : FAST REVERSE
  - $\bullet$  : RECORD (deck B)
  - $\circ$  : REC MUTE (deck B)
  - $\text{||}$  : PAUSE (deck B)
  - $\blacksquare$  : STOP

- AC voltage readings in the bias oscillator with a VTVM.
- $\square$  : adjustment for repair.
- $\square$  : panel designation.
- $\text{---}$  : B+ bus.
- $\text{---}$  : B- bus.

**Note: The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.**

**Note: Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.**

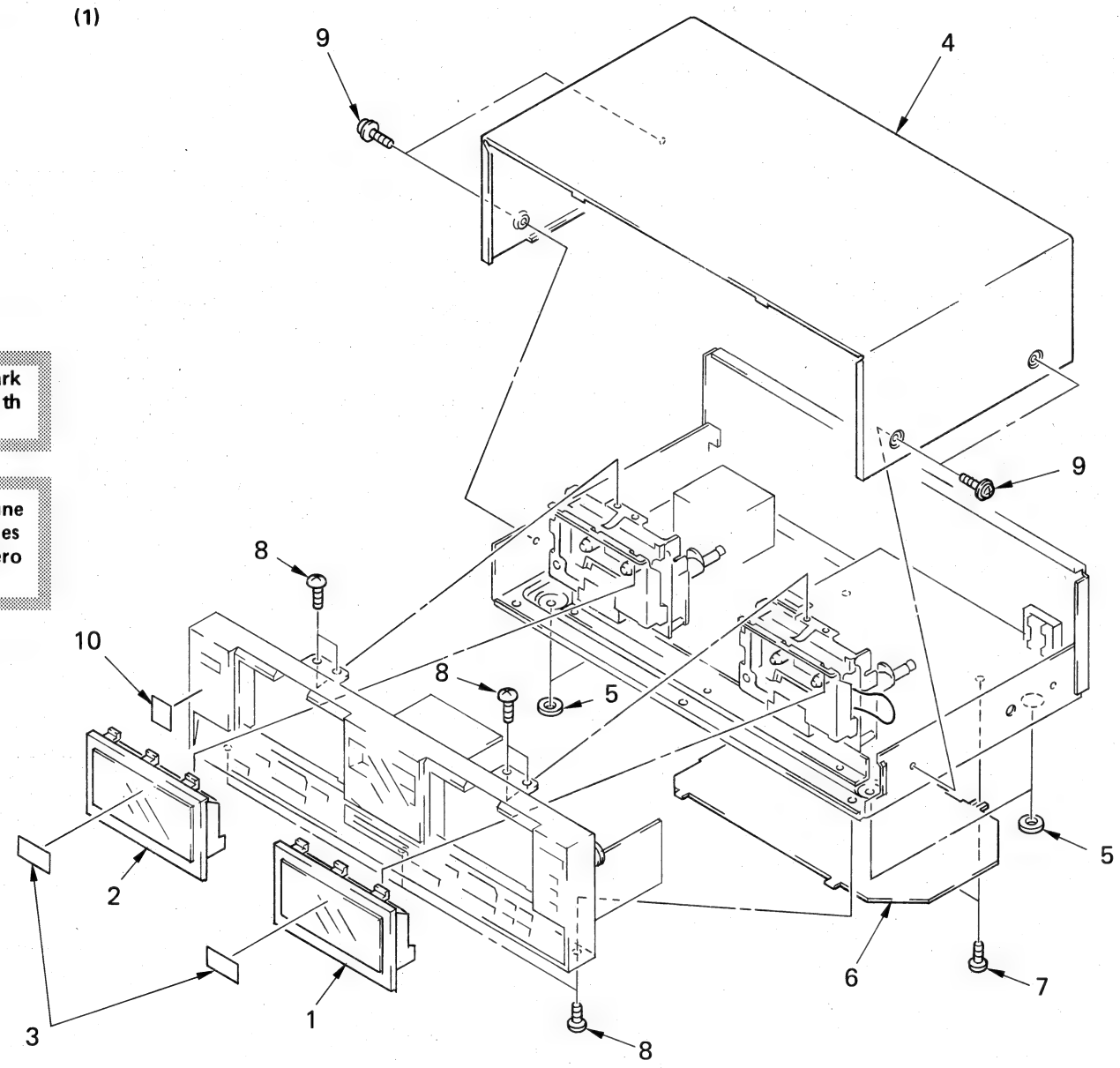
Ref. No.	Switch	Position
S301	TAPE SELECT (DECK-B)	NORMAL
S302-1	DOLBY NR B-TYPE/C-TYPE	B-TYPE
S302-2	DOLBY NR ON/OFF	OFF
S303	POWER	ON
S801	SYNCHRO DUBBING	OFF
	NORMAL SPEED	
S802	SYNCHRO DUBBING	OFF
	HIGH SPEED	
S805	$\blacktriangleleft\blacktriangleleft$ DECK-A	OFF
S807	$\blacksquare$ DECK-A	OFF
S808	$\blacktriangleright$ DECK-A	OFF
S809	$\blacktriangleright\blacktriangleright$ DECK-A	OFF
S810	$\blacktriangleleft\blacktriangleleft$ DECK-B	OFF
S812	$\blacksquare$ DECK-B	OFF
S813	$\blacktriangleright$ DECK-B	OFF
S814	$\blacktriangleright\blacktriangleright$ DECK-B	OFF
S815	$\bullet$ DECK-B	OFF
S816	$\text{  }$ DECK-B	OFF
S817	$\circ$ DECK-B	OFF
S901	DECK-A (HALF DET)	OFF
S902	DECK-A (TAPE SELECT)	NORMAL
S903	DECK-A (LOADING)	OFF
S951	DECK-B (HALF DET)	OFF
S953	DECK-B (ERASE PROOF)	OFF
S954	DECK-B (LOADING)	OFF

NOTE:

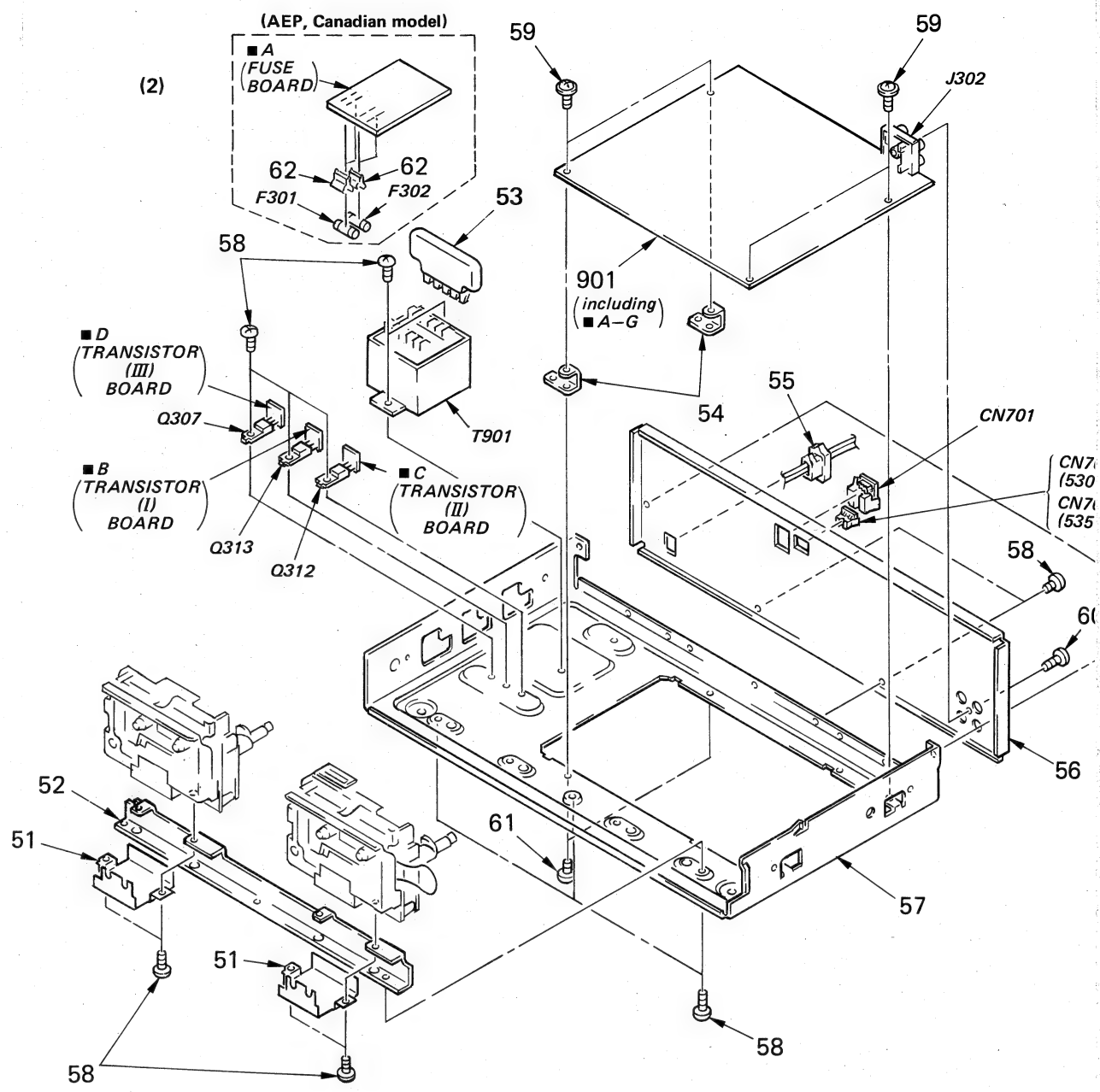
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "  $\star$  " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-3332-404-1	LID (B-0) ASSY, CASSETTE		7	7-685-871-01	SCREW +BVTT 3X6 (S)	
2	X-3332-403-1	LID (A-0) ASSY, CASSETTE		8	7-685-752-04	SCREW +BVTT 3X8 (S)	
3	4-911-673-01	SEAL, COVER		9	4-886-821-01	SCREW, M3 CASE	
4	3-332-427-01	CASE		10	3-703-713-41	(TC-W530)...STICKER, SONY SYMBOL (10)	
5	3-576-731-00	FELT (H)			3-703-710-41	(TC-W535)...STICKER, SONY SYMBOL (12)	
6	*3-332-418-01	PLATE, BOTTOM		11	3-703-680-00	(TC-W530:US)...LABEL, CAUTION, SUB, NEW UL	



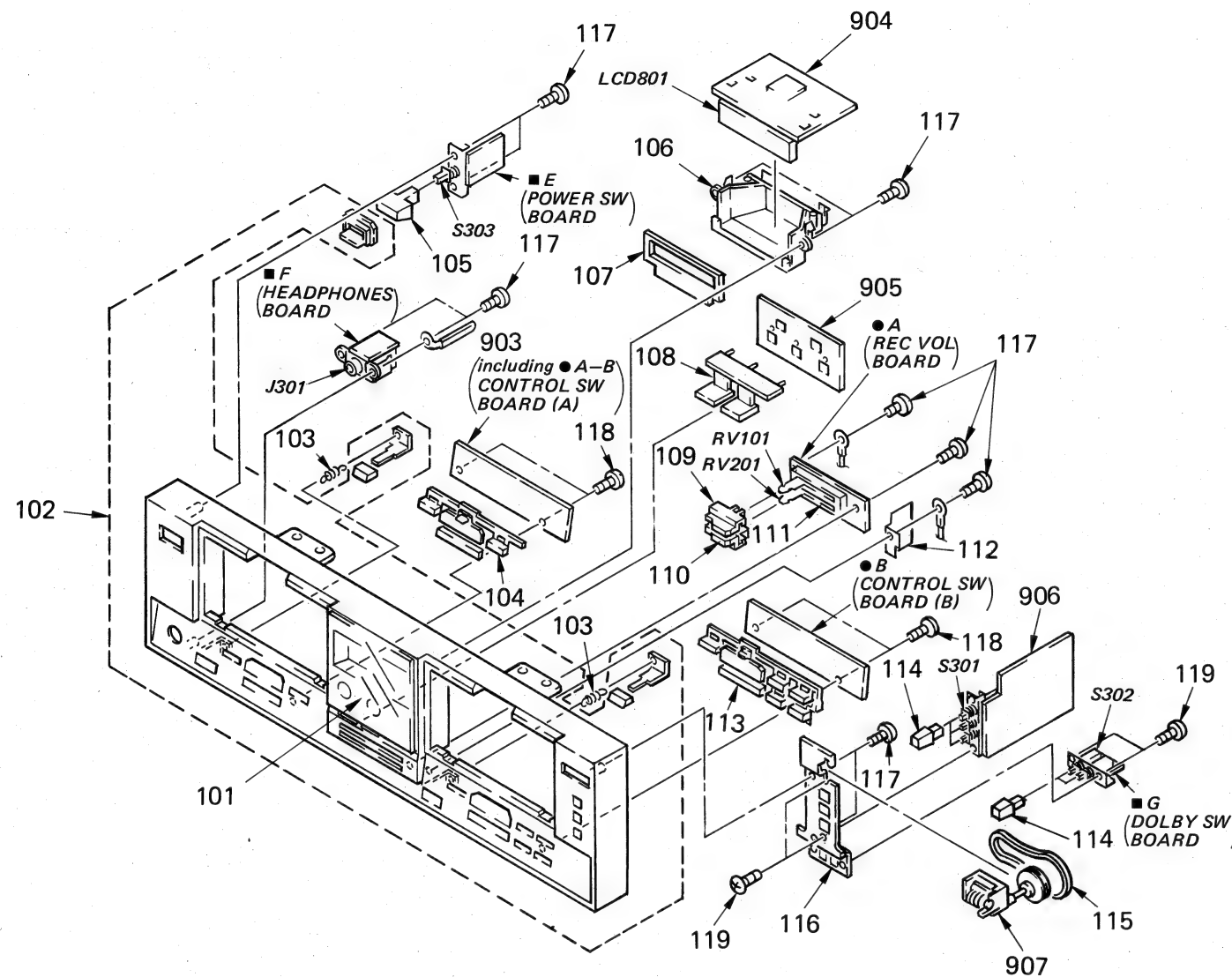
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*3-329-951-11	PLATE, SHIELD, HEAD		57	*3-332-426-	CHASSIS	
52	*3-332-421-01	BRACKET, MD		58	7-685-752-04	SCREW +BVTT 3X8 (S)	
53	*3-332-444-01	(TC-W530)...COVER, TRANSFORMER SAFETY		59	7-687-511-31	SCREW, TOTSU PTTWH 3X8	
54	*3-332-410-01	BRACKET (2), PC BOARD		60	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N	
55	3-703-244-00	(TC-W530)...BUSHING (2104), CORD		61	7-685-871-01	SCREW +BVTT 3X6 (S)	
56	*3-332-425-01	(TC-W530:US,Canadian)...PLATE, JACK		901	*A-2056-327-A	(TC-W530:US)...MOUNTED PCB	
	*3-332-425-11	(TC-W530:AEP)...PLATE, JACK			*A-2056-328-A	(TC-W530:Canadian,AEP)...MOUNTED PCB	
	*3-332-425-21	(TC-W535)...PLATE, JACK			*A-2056-329-A	(TC-W535)...MOUNTED PCB	

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



(3)



Remarks

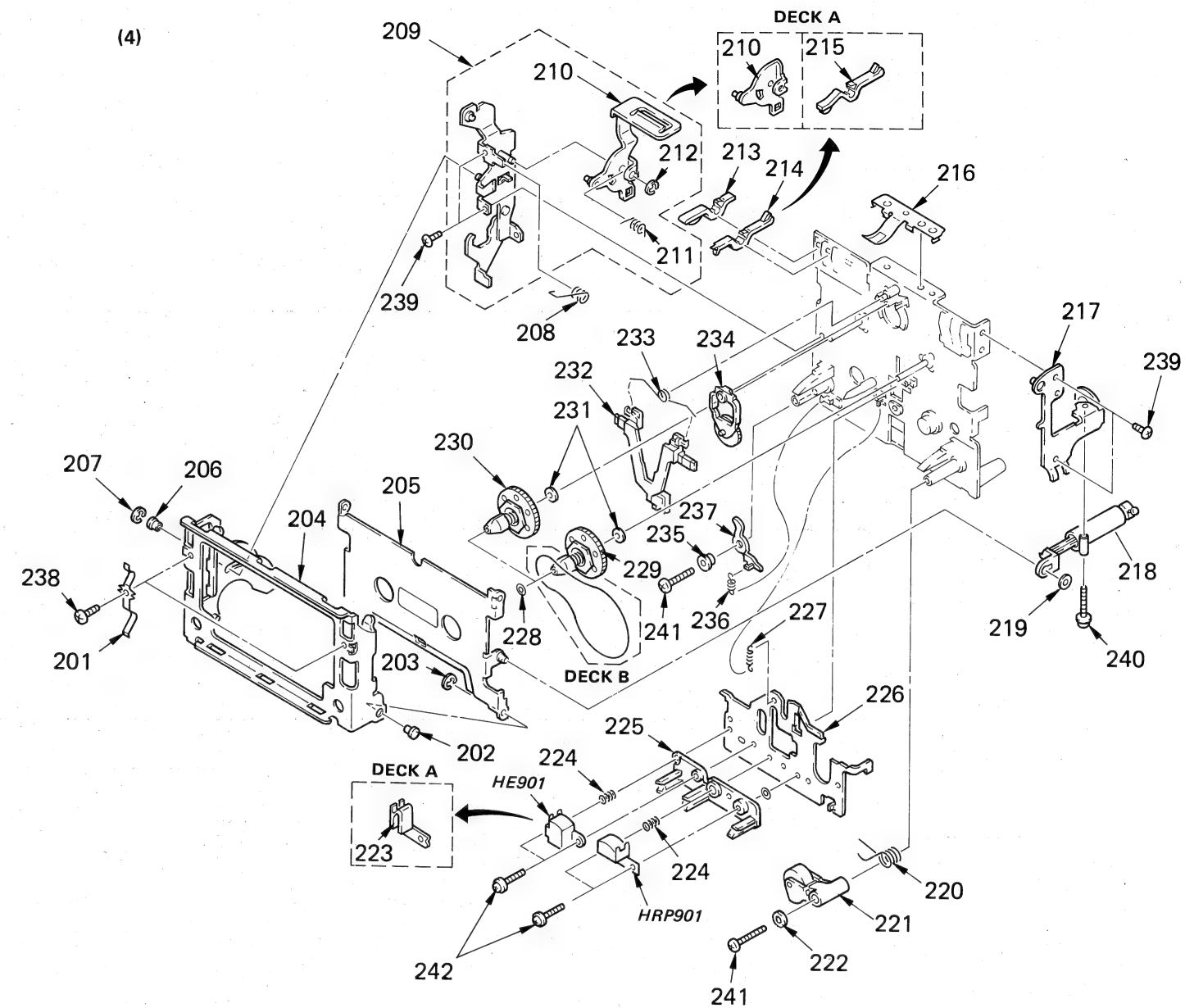
No.	Part No.	Description
101	3-332-415-01	PLATE, TRANSPARENT
102	X-3332-405-2	(TC-W530:US,Canadian)...PANEL ASSY, FRONT
	X-3332-406-2	(TC-W530:AEP)...PANEL ASSY, FRONT
	X-3332-407-2	(TC-W535).....PANEL ASSY, FRONT
103	4-885-182-11	SPRING, TENSION
104	X-3332-401-1	BUTTON (A-O) ASSY, CONTROL
105	3-332-417-01	KNOB (POWER), PUSH
106	*3-332-423-01	HOUSE, LAMP
107	*3-332-449-01	CUSHION, DISPLAY
108	3-332-420-01	BUTTON, DUBBING
109	3-323-446-01	KNOB (LEFT), CONTROL
110	3-323-447-01	KNOB (RIGHT), CONTROL
111	*3-332-402-01	PLATE (A), SHIELD

Remarks

No.	Part No.	Description
112	*3-332-450-01	PLATE (B), SHIELD
113	X-3332-402-1	BUTTON (B-O) ASSY, CONTROL
114	4-855-804-11	KNOB, SQUARE
115	3-508-107-01	BELT, COUNTER
116	*3-332-419-01	BRACKET, TAPE SELECT
117	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N-S
118	7-687-602-19	SCREW, TOTSU BTP 2.6X5 TYPE2
119	7-685-871-01	SCREW +BVTT 3X6 (S)
903	*1-618-749-11	PC BOARD, ETC
904	*1-618-741-11	PC BOARD, LCD LEVEL METER
905	*1-618-878-11	PC BOARD, DUBBING SW
906	*1-618-743-11	PC BOARD, EQ
907	1-548-589-51	COUNTER, TAPE (MIDDLE TYPE)

Remarks

(4)



Remarks

No.	Part No.	Description
251	3-391-119-01	SEAL, WASHER OIL
252	X-3391-101-1	CHASSIS ASSY, MECHANICAL
253	3-391-106-01	SPRING
254	X-3391-114-1	ARM ASSY, PLAY
255	3-391-126-01	CAP
256	3-391-132-01	PLATE, SHIELD
257	3-391-107-01	BELT, MAIN
258	X-3391-113-1	ASSY F/W
259	3-701-438-11	WASHER, 2.5
260	3-391-129-01	SPACER
261	3-391-128-01	GEAR (B), CAM
262	7-688-001-11	W 2, MIDDLE
263	3-391-147-01	SCREW, MOTOR FITTING

Remarks

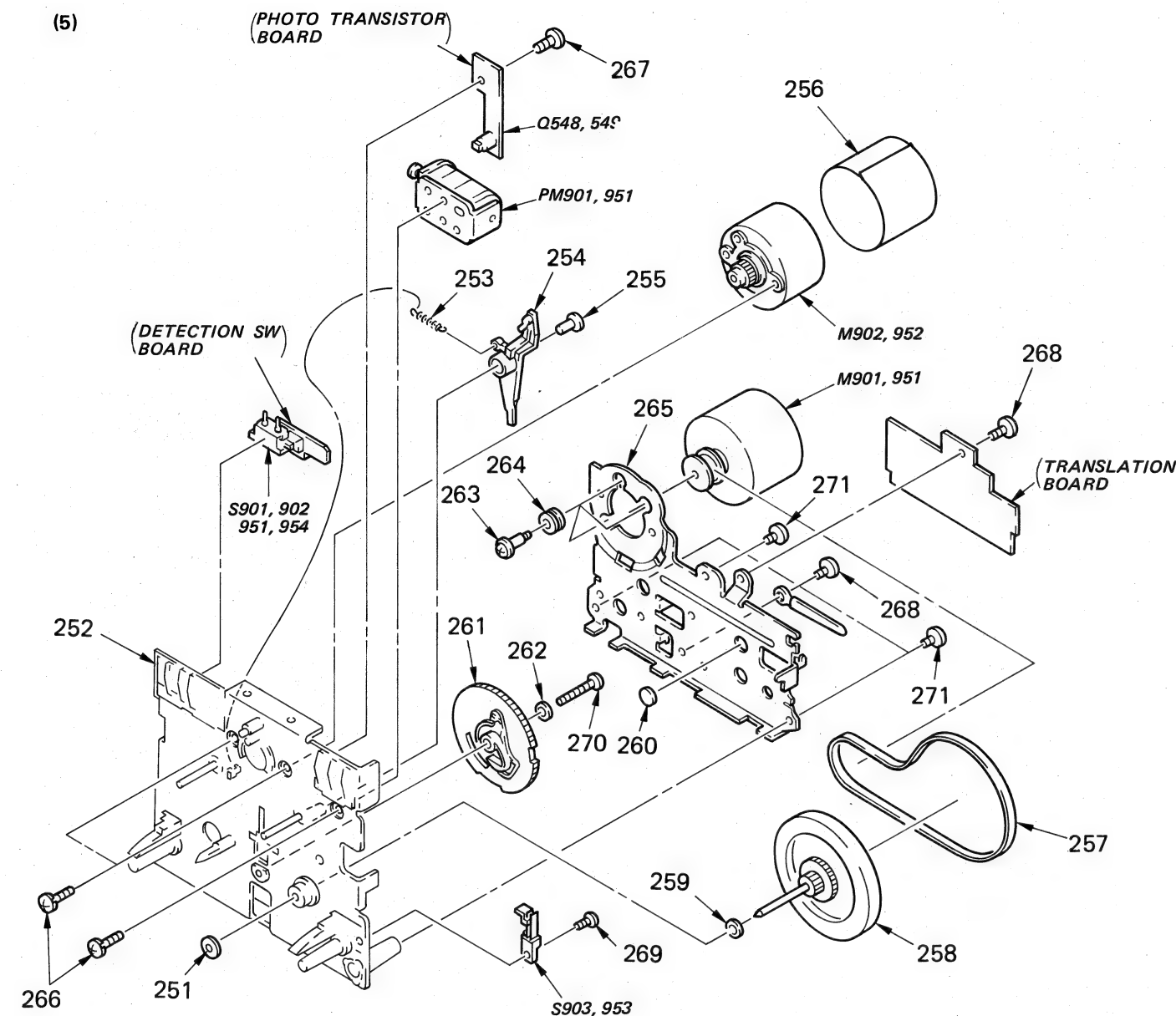
No.	Part No.	Description
264	3-391-138-01	MOTOR, CUSHION
265	3-391-130-01	BRACKET (B), F/W
266	7-628-253-95	SCREW +PS 2.6X4
267	7-685-105-14	SCREW +P 2X8 TYPE2 SLIT
268	7-685-781-04	SCREW +BVTT 2X4 (S)
269	7-685-104-14	SCREW +P 2X6 TYPE2 SLIT
270	7-685-107-21	SCREW +P 2X12 TYPE2 SLIT
271	7-685-131-19	SCREW +P 2.6X4 TYPE2 NON-SLIT
M901	X-3391-117-1	MOTOR
M902	X-3391-118-1	MOTOR
M951	X-3391-117-1	MOTOR
M952	X-3391-118-1	MOTOR

Remarks



# SECTION 6

## ELECTRICAL PARTS LIST



No.	Part No.	Description	Remarks
201	3-391-151-01	SPRING	
202	3-391-152-01	STUD, DOOR	
203	7-624-102-04	STOP RING 1.5, TYPE -E	
204	3-391-150-01	HOLDER, CASSETTE	
205	3-391-149-01	PLATE, ORNAMENTAL	
206	3-391-153-01	ROLLER	
207	7-624-104-04	STOP RING 2.0, TYPE -E	
208	3-391-154-01	SPRING (A)	
209	X-3391-116-1	ARM ASSY, EJECT	
210	3-391-145-01	LEVER (B), EJECT	
211	3-391-146-01	SPRING (B)	
212	7-624-105-04	STOP RING 2.3, TYPE -E	
213	3-391-131-01	LEVER, PACK INSPECTION	
214	3-391-157-01	LEVER, REC INSPECTION	
215	3-391-155-01	LEVER, CHROME INSPECTION	
216	3-391-125-01	SPRING	
217	3-391-144-01	BRACKET (R), DAMPER	
218	X-3391-115-1	DAMPER ASSY	
219	3-391-148-01	WASHER LOCK	
220	3-391-115-01	SPRING (RIGHT)	
221	X-3391-104-1	PINCH ROLLER ASSY	

No.	Part No.	Description	Remarks
222	7-688-001-11	W 2, MIDDLE	
223	3-391-108-01	GUIDE, TAPE	
224	3-391-101-01	SPRING	
225	3-391-102-01	SPACER, HEAD	
226	3-391-103-01	BASE, HEAD	
227	3-391-114-01	SPRING	
228	3-701-436-11	WASHER, 1.6	
229	X-3391-106-1	REEL ASSY	
230	X-3391-107-1	REEL ASSY, T.U	
231	3-327-708-31	WASHER	
232	X-3391-108-1	BRAKE ASSY	
233	3-391-124-01	SPRING	
234	X-3391-111-1	IDLER ASSY	
235	3-391-120-01	CALLOR	
236	3-391-123-01	SPRING (A)	
237	3-391-105-01	ARM (B), EJECT SAFETY	
238	7-685-780-01	SCREW +PTT 2X3 (S)	
239	7-685-790-04	SCREW +PTT 2.6X4 (S)	
240	7-621-955-75	SCREW, TOTSU PWH 2X12	
241	7-685-107-21	SCREW +P 2X12 TYPE2 SLIT	
242	7-628-253-05	SCREW +PS 2X4	

## NOTE:

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:  
MF:μF, PF:μμF.

RESISTORS  
• All resistors are in ohms.  
• F : nonflammable

COILS  
• MMH : mH, UH : μH

SEMICONDUCTORS  
In each case, U : μ, for example:  
UA...: μA..., UPA...: μPA..., UPC...: μPC,  
UPD...: μPD...

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
901	*A-2056-327-A	(TC-W530:US)...MOUNTED PCB, AUDIO				
	*A-2056-328-A	(TC-W530:Canadian,AEP)				
	*A-2056-329-A	(TC-W535).....MOUNTED PCB, AUDIO				
902	Δ.1-551-510-11	(TC-W530:US,Canadian)...CORD, POWER				
	Δ.1-551-908-11	(TC-W530:AEP)...CORD, POWER, EULO PLUG				
903	*1-618-749-11	PC BOARD, ETC				
904	*1-618-741-11	PC BOARD, LCD LEVEL METER				
905	*1-618-878-11	PC BOARD, DUBBING SW				
906	*1-618-743-11	PC BOARD, EQ				
907	1-548-589-51	COUNTER, TAPE (MIDDLE TYPE)				
C101	1-124-927-11	ELECT	4.7MF	20%	50V	
C104	1-162-289-31	CERAMIC	390PF	10%	50V	
C105	1-136-157-00	FILM	0.022MF	5%	50V	
C106	1-124-183-00	ELECT	2.2MF	20%	50V	
C107	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C108	1-162-303-31	CERAMIC	0.0033MF	30%	16V	
C109	1-162-289-31	CERAMIC	390PF	10%	50V	
C110	1-136-157-00	FILM	0.022MF	5%	50V	
C111	1-124-183-00	ELECT	2.2MF	20%	50V	
C112	1-162-304-31	CERAMIC	0.0047MF	30%	16V	
C113	1-124-904-00	ELECT	2.2MF	20%	50V	
C114	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C115	1-136-173-00	FILM	0.47MF	5%	50V	
C116	1-136-167-00	FILM	0.15MF	5%	50V	
C117	1-136-155-00	FILM	0.015MF	5%	50V	
C118	1-136-169-00	FILM	0.22MF	5%	50V	
C119	1-136-163-00	FILM	0.068MF	5%	50V	
C120	1-136-161-00	FILM	0.047MF	5%	50V	
C121	1-110-205-00	MYLAR	0.0068MF	5%	50V	
C122	1-136-153-00	FILM	0.01MF	5%	50V	
C123	1-124-927-11	ELECT	4.7MF	20%	50V	
C124	1-124-183-00	ELECT	2.2MF	20%	50V	
C125	1-124-927-11	ELECT	4.7MF	20%	50V	
C126	1-124-892--	ELECT	47MF	20%	10V	
C127	1-136-159-00	FILM	0.033MF	5%	50V	
C128	1-162-284-31	CERAMIC	150PF	10%	50V	
C129	1-136-273-91	FILM	75PF	5%	630V	
C130	1-136-440-	FILM	39PF	5%	630V	
C134	1-124-907-00	ELECT	10MF	20%	50V	
C138	1-136-155-00	FILM	0.015MF	5%	50V	
C139	1-110-201-00	MYLAR	0.0033MF	5%	50V	
C140	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C143	1-110-204-00	MYLAR	0.0056MF	5%	50V	
C144	1-110-199-00	MYLAR	0.0022MF	5%	50V	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
C145	1-110-199-00	MYLAR	0.0022MF	5%	50V	
C146	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C147	1-110-201-00	MYLAR	0.0033MF	5%	50V	
C148	1-162-282-31	CERAMIC	100PF	10%	50V	
C149	1-162-282-31	CERAMIC	100PF	10%	50V	
C150	1-162-290-31	CERAMIC	470PF	10%	50V	
C201	1-124-927-11	ELECT	4.7MF	20%	50V	
C204	1-162-289-31	CERAMIC	390PF	10%	50V	
C205	1-136-157-00	FILM	0.022MF	5%	50V	
C206	1-124-183-00	ELECT	2.2MF	20%	50V	
C207	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C208	1-162-303-31	CERAMIC	0.0033MF	30%	16V	
C209	1-162-289-31	CERAMIC	390PF	10%	50V	
C210	1-136-157-00	FILM	0.022MF	5%	50V	
C211	1-124-183-00	ELECT	2.2MF	20%	50V	
C212	1-162-304-31	CERAMIC	0.0047MF	30%	16V	
C213	1-124-904-00	ELECT	2.2MF	20%	50V	
C214	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C215	1-136-173-00	FILM	0.47MF	5%	50V	
C216	1-136-167-00	FILM	0.15MF	5%	50V	
C217	1-136-155-00	FILM	0.015MF	5%	50V	
C218	1-136-169-00	FILM	0.22MF	5%	50V	
C219	1-136-163-00	FILM	0.068MF	5%	50V	
C220	1-136-161-00	FILM	0.047MF	5%	50V	
C221	1-110-205-00	MYLAR	0.0068MF	5%	50V	
C222	1-136-153-00	FILM	0.01MF	5%	50V	
C223	1-124-927-11	ELECT	4.7MF	20%	50V	
C224	1-124-183-00	ELECT	2.2MF	20%	50V	
C225	1-124-927-11	ELECT	4.7MF	20%	50V	
C226	1-124-892-91	ELECT	47MF	20%	10V	
C227	1-136-159-00	FILM	0.033MF	5%	50V	
C228	1-162-284-31	CERAMIC	150PF	10%	50V	
C229	1-136-273-91	FILM	75PF	5%	630V	
C230	1-136-440-91	FILM	39PF	5%	630V	
C234	1-124-907-00	ELECT	10MF	20%	50V	
C238	1-136-155-00	FILM	0.015MF	5%	50V	
C239	1-110-201-00	MYLAR	0.0033MF	5%	50V	
C240	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C243	1-110-204-00	MYLAR	0.0056MF	5%	50V	
C244	1-110-199-00	MYLAR	0.0022MF	5%	50V	
C245	1-110-199-00	MYLAR	0.0022MF	5%	50V	
C246	1-110-203-00	MYLAR	0.0047MF	5%	50V	
C247	1-110-201-00	MYLAR	0.0033MF	5%	50V	
C248	1-162-282-31	CERAMIC	100PF	10%	50V	
C249	1-162-282-31	CERAMIC	100PF	10%	50V	

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C250	1-162-290-31	CERAMIC	470PF	10%	50V
C305	1-124-444-00	ELECT	220MF	20%	10V
C306	1-124-444-00	ELECT	220MF	20%	10V
C307	1-124-444-00	ELECT	220MF	20%	10V
C308	1-124-444-00	ELECT	220MF	20%	10V
C309	1-124-927-11	ELECT	4.7MF	20%	50V
C310	1-124-892-91	ELECT	47MF	20%	10V
C311	1-124-892-91	ELECT	47MF	20%	10V
C312	1-141-225-00	CAP, TUNING, TRIMAR			
C313	1-129-713-00	FILM	0.0082MF	10%	630V
C314	1-124-904-00	ELECT	2.2MF	20%	50V
C315	1-130-285-00	FILM	0.0033MF	5%	100V
C316	1-130-285-00	FILM	0.0033MF	5%	100V
C317	1-130-285-00	FILM	0.0033MF	5%	100V
C318	1-124-903-00	ELECT	1MF	20%	50V
C319	1-124-927-11	ELECT	4.7MF	20%	50V
C320	1-124-903-00	ELECT	1MF	20%	50V
C321	1-124-892-91	ELECT	47MF	20%	10V
C322	1-124-892-91	ELECT	47MF	20%	10V
C324	1-124-472-11	ELECT	470MF	20%	10V
C325	1-124-473-11	(TC-W530)...ELECT	1000MF	20%	10V
C326	1-124-443-00	ELECT	100MF	20%	10V
C327	1-123-321-00	ELECT	220MF	20%	16V
C328	1-123-321-00	ELECT	220MF	20%	16V
C329	1-124-557-11	ELECT	1000MF	20%	25V
C330	1-124-557-11	ELECT	1000MF	20%	25V
C331	1-124-899-91	ELECT	22MF	20%	25V
C332	1-124-470-11	ELECT	470MF	20%	6.3V
C334	1-124-907-00	ELECT	10MF	20%	50V
C335	1-161-494-00	(TC-W535)...CERAMIC	0.022		
C337	1-124-898-11	ELECT	4700MF	20%	16V
C342	1-124-907-00	ELECT	10MF	20%	50V
C343	1-124-907-00	ELECT	10MF	20%	50V
C501	1-124-892-91	ELECT	47MF	20%	10V
C502	1-124-892-91	ELECT	47MF	20%	10V
C503	1-124-892-91	ELECT	47MF	20%	10V
C504	1-124-892-91	ELECT	47MF	20%	10V
C506	1-162-029-00	CERAMIC	47PF	5%	50V
C507	1-162-029-00	CERAMIC	47PF	5%	50V
C508	1-124-904-00	ELECT	2.2MF	20%	50V
C509	1-124-904-00	ELECT	2.2MF	20%	50V
C515	1-124-470-11	ELECT	470MF	20%	6.3V
C516	1-124-903-00	ELECT	1MF	20%	50V
C517	1-162-100-00	CERAMIC	150PF	10%	50V
C518	1-162-100-00	CERAMIC	150PF	10%	50V
C519	1-162-294-31	CERAMIC	0.001MF	10%	50V
C520	1-162-306-31	CERAMIC	0.01MF	30%	16V
C521	1-162-306-31	CERAMIC	0.01MF	30%	16V
C522	1-162-306-31	CERAMIC	0.01MF	30%	16V
C523	1-162-306-31	CERAMIC	0.01MF	30%	16V
C524	1-124-892-91	ELECT	47MF	20%	10V
C525	1-161-494-00	CERAMIC	0.022MF	30%	25V
C526	1-162-306-31	CERAMIC	0.01MF	30%	16V
C528	1-161-974-00	CERAMIC	0.1MF	20%	16V
C801	1-124-903-00	ELECT	1MF	20%	50V
C802	1-124-904-00	ELECT	2.2MF	20%	50V
C851	1-124-903-00	ELECT	1MF	20%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C852	1-124-904-00	ELECT	2.2MF	20%	50V
C891	1-110-204-00	MYLAR	0.0056MF	5%	50V
C892	1-124-892-91	ELECT	47MF	20%	10V
CN301	*1-564-506-11	PLUG, CONNECTOR 3P			
CN302	*1-564-506-11	PLUG, CONNECTOR 3P			
CN303	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN304	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN305	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN306	*1-564-507-11	PLUG, CONNECTOR 4P			
CN308	*1-564-506-11	PLUG, CONNECTOR 3P			
CN309	*1-564-506-11	PLUG, CONNECTOR 3P			
CN508	*1-564-505-11	PLUG, CONNECTOR 2P			
CN510	*1-564-509-11	PLUG, CONNECTOR 6P			
CN511	*1-564-509-11	PLUG, CONNECTOR 6P			
CN512	*1-564-507-11	PLUG, CONNECTOR 4P			
CN514	*1-564-512-41	PLUG, CONNECTOR 9P			
CN516	*1-564-337-00	PIN, CONNECTOR 3P			
CN518	*1-564-336-00	PIN, CONNECTOR 2P			
CN701	*1-558-235-11	(TC-W530)...CORD (WITH CONNECTOR)			
CN701	*1-558-456-11	(TC-W535)...CORD (WITH CONNECTOR)			
CN703	1-558-520-31	(TC-W530)...CORD (WITH CONNECTOR) 3P			
CN704	*1-558-520-11	(TC-W535)...CORD (WITH CONNECTOR) 3P			
CN707	1-562-067-12	(TC-W535)...SOCKET CONNECTOR 5P			
CNP801	*1-564-521-11	PLUG, CONNECTOR 6P			
D301	8-719-107-94	DIODE 1SS202-1			
D302	8-719-107-94	DIODE 1SS202-1			
D303	8-719-200-77	DIODE 10E2N			
D304	8-719-200-77	DIODE 10E2N			
D305	8-719-200-77	DIODE 10E2N			
D306	8-719-200-77	DIODE 10E2N			
D307	8-719-914-13	DIODE HZ4CLL			
D308	8-719-107-94	(TC-W530)...DIODE 1SS202-1			
D309	8-719-910-69	DIODE HZ6C3L			
D310	8-719-107-94	(TC-W530)...DIODE 1SS202-1			
D312	8-719-200-77	DIODE 10E2N			
D313	8-719-107-94	DIODE 1SS202-1			
D314	8-719-200-77	DIODE 10E2N			
D315	8-719-107-94	(TC-W530)...DIODE 1SS202-1			
D316	8-719-200-77	DIODE 10E2N			
D317	8-719-107-94	DIODE 1SS202-1			
D502	8-719-200-77	DIODE 10E2N			
D503	8-719-107-94	DIODE 1SS202-1			
D504	8-719-107-94	DIODE 1SS202-1			
D505	8-719-107-94	DIODE 1SS202-1			
D506	8-719-107-94	DIODE 1SS202-1			
D508	8-719-107-94	DIODE 1SS202-1			
D510	8-719-107-94	DIODE 1SS202-1			
D514	8-719-107-94	DIODE 1SS202-1			
D517	8-719-200-77	DIODE 10E2N			
D518	8-719-107-94	(TC-W530)...DIODE 1SS202-1			
D519	8-719-107-94	DIODE 1SS202-1			
D521	8-719-107-94	DIODE 1SS202-1			
D522	8-719-107-94	DIODE 1SS202-1			
D526	8-719-107-94	DIODE 1SS202-1			
D527	8-719-107-94	DIODE 1SS202-1			
D528	8-719-107-94	DIODE 1SS202-1			
D529	8-719-107-94	DIODE 1SS202-1			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
D801	8-719-107-94	DIODE 1SS202-1			
D802	8-719-107-94	DIODE 1SS202-1			
D805	8-719-302-74	DIODE SEL2210W-C-TP2			
D806	8-719-302-74	DIODE SEL2210W-C-TP2			
D809	8-719-107-94	DIODE 1SS202-1			
D811	8-719-107-94	DIODE 1SS202-1			
D812	8-719-107-94	DIODE 1SS202-1			
D813	8-719-107-94	DIODE 1SS202-1			
D815	8-719-938-49	DIODE PG2232SY-B1			
D819	8-719-938-49	DIODE PG2232SY-B1			
D820	8-719-938-84	DIODE AY3427S			
D822	8-719-913-36	DIODE PR2222S-B1			
D825	8-719-107-94	DIODE 1SS202-1			
F301	1-532-259-11	(TC-W530:AEP)...FUSE, TIME-LAG, 1.6A			
F301	1-532-555-11	(TC-W530:Canadian) ...FUSE, GLASS TUBE, 1.6A NORMAL			
F302	1-532-259-11	(TC-W530:AEP)...FUSE, TIME-LAG, 1.6A			
F302	1-532-555-11	(TC-W530:Canadian) ...FUSE, GLASS TUBE, 1.6A NORMAL			
IC303	8-759-600-02	IC M5218L			
IC304	8-759-984-66	IC MB84066B			
IC305	8-759-602-01	IC M5220P			
IC306	8-759-602-01	IC M5220P			
IC307	8-752-018-70	IC CX20187			
IC308	8-759-106-61	IC UPC4570HA			
IC501	8-759-603-20	IC M50742-4045P			
IC503	8-759-602-47	IC M50761-417P			
IC801	8-752-321-65	IC CXD1017Q			
J301	1-563-249-11	(TC-W530)...JACK, LARGE TYPE			
J302	1-507-908-11	JACK, PIN 4P			
L101	1-408-929-00	MICRO INDUCTOR 27MMH			
L102	1-408-920-00	MICRO INDUCTOR 4.7MMH			
L103	1-408-920-00	MICRO INDUCTOR 4.7MMH			
L201	1-408-929-00	MICRO INDUCTOR 27MMH			
L202	1-408-920-00	MICRO INDUCTOR 4.7MMH			
L203	1-408-920-00	MICRO INDUCTOR 4.7MMH			
L501	1-407-173-XX	MICRO INDUCTOR 220UH			
LC0801	1-520-488-11	METER, LEVEL			
LPF101	1-231-388-00	FILTER, LOW PASS			
LPF201	1-231-388-00	FILTER, LOW PASS			
PL801	1-518-596-11	LAMP, PILOT			
PL802	1-518-596-11	LAMP, PILOT			
M901	X-3391-117-1	MOTOR			
M902	X-3391-118-1	MOTOR			
M951	X-3391-117-1	MOTOR			
M952	X-3391-118-1	MOTOR			
Q101	8-729-606-33	TRANSISTOR 2SC2603F			
Q103	8-729-606-33	TRANSISTOR 2SC2603F			
Q104	8-729-606-33	TRANSISTOR 2SC2603F			
Q105	8-729-606-33	TRANSISTOR 2SC2603F			
Q106	8-729-606-33	TRANSISTOR 2SC2603F			
Q107	8-729-606-33	TRANSISTOR 2SC2603F			
Q201	8-729-606-33	TRANSISTOR 2SC2603F			
Q203	8-729-606-33	TRANSISTOR 2SC2603F			
Q204	8-729-606-33	TRANSISTOR 2SC2603F			
Q205	8-729-606-33	TRANSISTOR 2SC2603F			
Q206	8-729-606-33	TRANSISTOR 2SC2603F			
Q207	8-729-606-33	TRANSISTOR 2SC2603F			
Q301	8-729-900-74	TRANSISTOR DTC143TS			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q302	8-729-194-57	TRANSISTOR 2SC945P
Q303	8-729-194-57	TRANSISTOR 2SC945P
Q304	△.8-729-178-54	TRANSISTOR 2SC2785
Q305	8-729-900-61	TRANSISTOR DTA114ES
Q306	△.8-729-178-54	TRANSISTOR 2SC2785
Q307	△.8-729-201-78	(TC-W530:US)...TRANSISTOR 2SD1406
Q307	△.8-729-107-24	(TC-W530:Canadian,AEP,TC-W535) .....TRANSISTOR 2SD1585
Q308	8-729-606-33	TRANSISTOR 2SC2603F
Q309	8-729-606-33	TRANSISTOR 2SC2603F
Q310	8-729-117-54	TRANSISTOR 2SA1175
Q311	8-729-117-54	TRANSISTOR 2SA1175
Q312	△.8-729-111-67	TRANSISTOR 2SB1094-L
Q313	△.8-729-201-78	(TC-W530:US)...TRANSISTOR 2SD1406
Q313	△.8-729-107-24	(TC-W530:Canadian,AEP,TC-W535) .....TRANSISTOR 2SD1585
Q318	8-729-606-33	TRANSISTOR 2SC2603F
Q501	8-729-900-65	TRANSISTOR DTA144ES
Q502	8-729-900-89	TRANSISTOR DTC144ES
Q503	8-729-212-02	TRANSISTOR 2SC2120-Y
Q504	8-729-212-02	TRANSISTOR 2SC2120-Y
Q505	8-729-900-80	TRANSISTOR DTC114ES
Q506	△.8-729-103-43	TRANSISTOR 2SB734
Q507	8-729-900-65	TRANSISTOR DTA144ES
Q508	8-729-900-65	TRANSISTOR DTA144ES
Q509	8-729-103-43	TRANSISTOR 2SB734
Q510	8-729-212-02	TRANSISTOR 2SC2120-Y
Q511	8-729-212-02	TRANSISTOR 2SC2120-Y
Q512	8-729-205-02	TRANSISTOR 2SA1150
Q513	8-729-205-02	TRANSISTOR 2SA1150
Q514	△.8-729-212-02	TRANSISTOR 2SC2120-Y
Q515	8-729-103-43	TRANSISTOR 2SB734
Q516	8-729-212-02	TRANSISTOR 2SC2120-Y
Q517	8-729-212-02	TRANSISTOR 2SC2120-Y
Q518	8-729-205-02	TRANSISTOR 2SA1150
Q519	8-729-205-02	TRANSISTOR 2SA1150
Q520	8-729-900-74	TRANSISTOR DTC143TS
Q521	8-729-900-74	TRANSISTOR DTC143TS
Q522	8-729-900-74	TRANSISTOR DTC143TS
Q523	8-729-900-74	TRANSISTOR DTC143TS
Q524	8-729-900-61	TRANSISTOR DTA114ES
Q525	8-729-900-61	TRANSISTOR DTA114ES
Q526	8-729-900-61	TRANSISTOR DTA114ES
Q527	8-729-900-61	TRANSISTOR DTA114ES
Q528	8-729-900-61	TRANSISTOR DTA114ES
Q529	8-729-900-61	TRANSISTOR DTA114ES
Q530	8-729-900-74	TRANSISTOR DTC143TS
Q533	8-729-900-74	TRANSISTOR DTC143TS
Q541	8-729-900-65	TRANSISTOR DTA144ES
Q542	8-729-900-89	TRANSISTOR DTC144ES
Q543	8-729-900-65	TRANSISTOR DTA144ES
Q544	8-729-900-65	TRANSISTOR DTA144ES
Q546	8-729-900-65	TRANSISTOR DTA144ES
Q547	8-729-900-65	TRANSISTOR DTA144ES
Q551	△.8-729-212-02	TRANSISTOR 2SC2120-Y
Q552	8-729-900-80	TRANSISTOR DTC114ES
Q554	8-729-900-80	TRANSISTOR DTC114ES

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
Q555	8-729-900-74	TRANSISTOR DTC143TS				
Q556	8-729-900-61	TRANSISTOR DTA114ES				
Q559	8-729-900-61	TRANSISTOR DTA114ES				
Q560	8-729-900-61	TRANSISTOR DTA114ES				
Q561	8-729-900-61	TRANSISTOR DTA114ES				
Q562	8-729-900-61	TRANSISTOR DTA114ES				
Q564	8-729-900-61	TRANSISTOR DTA114ES				
Q565	8-729-900-61	TRANSISTOR DTA114ES				
Q566	8-729-900-80	TRANSISTOR DTC114ES				
Q567	8-729-900-74	TRANSISTOR DTC143TS				
R101	1-247-713-11	CARBON	1K	5%	1/4W	
R102	1-247-167-00	CARBON	33K	5%	1/4W	
R103	1-249-433-11	CARBON	22K	5%	1/6W	
R104	1-247-831-00	CARBON	1K	5%	1/6W	
R108	1-247-717-11	CARBON	2.2K	5%	1/4W	
R114	1-249-429-11	CARBON	10K	5%	1/6W	
R115	1-247-857-00	CARBON	12K	5%	1/6W	
R117	1-247-869-00	CARBON	39K	5%	1/6W	
R119	1-247-700-11	(TC-W530)...CARBON	100	5%	1/4W	
R126	1-246-521-00	CARBON	120K	5%	1/4W	
R127	1-247-700-11	CARBON	100	5%	1/4W	
R128	1-246-524-00	CARBON	130K	5%	1/4W	
R129	1-247-149-00	CARBON	5.6K	5%	1/4W	
R130	1-247-857-00	CARBON	12K	5%	1/6W	
R131	1-247-859-00	CARBON	15K	5%	1/6W	
R132	1-247-887-00	CARBON	220K	5%	1/6W	
R133	1-247-843-00	CARBON	3.3K	5%	1/6W	
R135	1-247-887-00	CARBON	220K	5%	1/6W	
R136	1-247-851-00	CARBON	6.8K	5%	1/6W	
R137	1-247-831-00	CARBON	1K	5%	1/6W	
R138	1-249-425-11	CARBON	4.7K	5%	1/6W	
R140	1-246-531-00	CARBON	270K	5%	1/4W	
R141	1-247-700-11	CARBON	100	5%	1/4W	
R142	1-246-524-00	CARBON	130K	5%	1/4W	
R143	1-247-149-00	CARBON	5.6K	5%	1/4W	
R144	1-247-857-00	CARBON	12K	5%	1/6W	
R145	1-247-887-00	CARBON	220K	5%	1/6W	
R146	1-247-859-00	CARBON	15K	5%	1/6W	
R149	1-249-441-11	CARBON	100K	5%	1/6W	
R150	1-249-441-11	CARBON	100K	5%	1/6W	
R152	1-247-843-00	CARBON	3.3K	5%	1/6W	
R153	1-247-851-00	CARBON	6.8K	5%	1/6W	
R154	1-247-822-00	CARBON	430	5%	1/6W	
R155	1-247-846-00	CARBON	4.3K	5%	1/6W	
R156	1-247-840-00	CARBON	2.4K	5%	1/6W	
R157	1-247-851-00	CARBON	6.8K	5%	1/6W	
R158	1-249-415-11	CARBON	680	5%	1/6W	
R159	1-249-429-11	CARBON	10K	5%	1/6W	
R161	1-249-421-11	CARBON	2.2K	5%	1/6W	
R162	1-249-429-11	CARBON	10K	5%	1/6W	
R163	1-247-831-00	CARBON	1K	5%	1/6W	
R164	1-249-441-11	CARBON	100K	5%	1/6W	
R165	1-249-421-11	CARBON	2.2K	5%	1/6W	
R166	1-247-887-00	CARBON	220K	5%	1/6W	
R167	1-249-435-11	CARBON	33K	5%	1/6W	
R168	1-249-437-11	CARBON	47K	5%	1/6W	
R169	1-247-799-00	CARBON	47	5%	1/6W	
R170	1-249-429-11	CARBON	10K	5%	1/6W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R172	1-247-846-00	CARBON	4.3K	5%	1/6W	
R174	1-249-405-11	CARBON	100	5%	1/6W	
R175	1-247-854-00	CARBON	9.1K	5%	1/6W	
R176	1-247-831-00	CARBON	1K	5%	1/6W	
R177	1-247-845-00	CARBON	3.9K	5%	1/6W	
R178	1-249-421-11	CARBON	2.2K	5%	1/6W	
R179	1-249-441-11	CARBON	100K	5%	1/6W	
R180	1-249-425-11	CARBON	4.7K	5%	1/6W	
R181	1-249-441-11	CARBON	100K	5%	1/6W	
R182	1-249-425-11	CARBON	4.7K	5%	1/6W	
R183	1-249-459-11	CARBON	12K	5%	1/4W	
R201	1-247-713-11	CARBON	1K	5%	1/4W	
R202	1-247-167-00	CARBON	33K	5%	1/4W	
R203	1-249-433-11	CARBON	22K	5%	1/6W	
R204	1-247-831-00	CARBON	1K	5%	1/6W	
R208	1-247-717-11	CARBON	2.2K	5%	1/4W	
R214	1-249-429-11	CARBON	10K	5%	1/6W	
R215	1-247-857-00	CARBON	12K	5%	1/6W	
R217	1-247-869-00	CARBON	39K	5%	1/6W	
R219	1-247-700-11	(TC-W530)...CARBON	100	5%	1/4W	
R226	1-246-531-00	CARBON	270K	5%	1/4W	
R227	1-247-700-11	CARBON	100	5%	1/4W	
R228	1-246-524-00	CARBON	130K	5%	1/4W	
R229	1-247-149-00	CARBON	5.6K	5%	1/4W	
R230	1-247-857-00	CARBON	12K	5%	1/6W	
R231	1-247-859-00	CARBON	15K	5%	1/6W	
R232	1-247-887-00	CARBON	220K	5%	1/6W	
R233	1-247-843-00	CARBON	3.3K	5%	1/6W	
R235	1-247-887-00	CARBON	220K	5%	1/6W	
R236	1-247-851-00	CARBON	6.8K	5%	1/6W	
R237	1-247-831-00	CARBON	1K	5%	1/6W	
R238	1-249-425-11	CARBON	4.7K	5%	1/6W	
R240	1-246-531-00	CARBON	270K	5%	1/4W	
R241	1-247-700-11	CARBON	100	5%	1/4W	
R242	1-246-524-00	CARBON	130K	5%	1/4W	
R243	1-247-149-00	CARBON	5.6K	5%	1/4W	
R244	1-247-857-00	CARBON	12K	5%	1/6W	
R245	1-247-887-00	CARBON	220K	5%	1/6W	
R246	1-247-859-00	CARBON	15K	5%	1/6W	
R249	1-249-441-11	CARBON	100K	5%	1/6W	
R250	1-249-441-11	CARBON	100K	5%	1/6W	
R252	1-247-843-00	CARBON	3.3K	5%	1/6W	
R253	1-247-851-00	CARBON	6.8K	5%	1/6W	
R254	1-247-822-00	CARBON	430	5%	1/6W	
R255	1-247-846-00	CARBON	4.3K	5%	1/6W	
R256	1-247-840-00	CARBON	2.4K	5%	1/6W	
R257	1-247-851-00	CARBON	6.8K	5%	1/6W	
R258	1-249-415-11	CARBON	680	5%	1/6W	
R259	1-249-429-11	CARBON	10K	5%	1/6W	
R261	1-249-421-11	CARBON	2.2K	5%	1/6W	
R262	1-249-429-11	CARBON	10K	5%	1/6W	
R263	1-247-831-00	CARBON	1K	5%	1/6W	
R264	1-249-441-11	CARBON	100K	5%	1/6W	
R265	1-249-421-11	CARBON	2.2K	5%	1/6W	
R266	1-247-887-00	CARBON	220K	5%	1/6W	
R267	1-249-435-11	CARBON	33K	5%	1/6W	
R268	1-249-437-11	CARBON	47K	5%	1/6W	

# TC-W530/W535

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R269	1-247-799-00	CARBON	47	5%	1/6W	
R270	1-249-429-11	CARBON	10K	5%	1/6W	
R272	1-247-846-00	CARBON	4.3K	5%	1/6W	
R274	1-249-405-11	CARBON	100	5%	1/6W	
R275	1-247-854-00	CARBON	9.1K	5%	1/6W	
R276	1-247-831-00	CARBON	1K	5%	1/6W	
R277	1-247-845-00	CARBON	3.9K	5%	1/6W	
R278	1-249-421-11	CARBON	2.2K	5%	1/6W	
R279	1-249-441-11	CARBON	100K	5%	1/6W	
R280	1-249-425-11	CARBON	4.7K	5%	1/6W	
R281	1-249-441-11	CARBON	100K	5%	1/6W	
R282	1-249-425-11	CARBON	4.7K	5%	1/6W	
R283	1-249-459-11	CARBON	12K	5%	1/4W	
R301	1-247-704-11	CARBON	220	5%	1/4W	
R302	1-247-704-11	CARBON	220	5%	1/4W	
R303	1-247-831-00	CARBON	1K	5%	1/6W	
R304	1-247-704-11	CARBON	220	5%	1/4W	
R305	1-247-704-11	CARBON	220	5%	1/4W	
R306	1-249-437-11	CARBON	47K	5%	1/6W	
R307	1-247-819-00	CARBON	330	5%	1/6W	
R308	1-212-855-00	FUSIBLE	8.2	5%	1/4W	F
R309	1-249-433-11	CARBON	22K	5%	1/6W	
R310	1-249-433-11	CARBON	22K	5%	1/6W	
R311	1-249-429-11	CARBON	10K	5%	1/6W	
R312	1-247-854-00	CARBON	9.1K	5%	1/6W	
R313	1-247-846-00	CARBON	4.3K	5%	1/6W	
R314	1-247-828-00	CARBON	750	5%	1/6W	
R315	1-249-425-11	CARBON	4.7K	5%	1/6W	
R316	1-247-859-00	CARBON	15K	5%	1/6W	
R317	1-249-425-11	CARBON	4.7K	5%	1/6W	
R318	1-214-777-00	METAL	100K	1%	1/4W	
R319	1-247-133-00	CARBON	1.2K	5%	1/4W	
R320	1-247-133-00	CARBON	1.2K	5%	1/4W	
R321	1-247-704-11	CARBON	220	5%	1/4W	
R322	1-247-717-11	CARBON	2.2K	5%	1/4W	
R323	1-247-717-11	CARBON	2.2K	5%	1/4W	
R324	1-247-717-11	CARBON	2.2K	5%	1/4W	
R325	1-247-717-11	CARBON	2.2K	5%	1/4W	
R326	1-247-717-11	CARBON	2.2K	5%	1/4W	
R327	1-247-713-11	CARBON	1K	5%	1/4W	
R328	1-247-717-11	CARBON	2.2K	5%	1/4W	
R329	1-247-725-11	(TC-W530)...CARBON	10K	5%	1/4W	
R330	1-247-717-11	CARBON	2.2K	5%	1/4W	
R331	1-249-429-11	CARBON	10K	5%	1/6W	
R332	1-249-405-11	(TC-W530)...CARBON	100	5%	1/6W	
R334	1-247-837-00	CARBON	1.8K	5%	1/6W	
R335	1-249-421-11	CARBON	2.2K	5%	1/6W	
R336	1-247-831-00	CARBON	1K	5%	1/6W	
R337	1-249-429-11	CARBON	10K	5%	1/6W	
R338	1-247-831-00	CARBON	1K	5%	1/6W	
R339	1-249-429-11	CARBON	10K	5%	1/6W	
R342	1-249-425-11	CARBON	4.7K	5%	1/6W	
R343	1-249-437-11	CARBON	47K	5%	1/6W	
R344	1-247-831-00	CARBON	1K	5%	1/6W	
R345	1-249-425-11	CARBON	4.7K	5%	1/6W	
R346	1-249-441-11	CARBON	100K	5%	1/6W	
R353	1-247-851-00	(TC-W530)...CARBON	6.8K	5%	1/6W	

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R354	1-249-441-11	CARBON	100K	5%	1/6W	
R355	1-247-843-00	CARBON	3.3K	5%	1/6W	
R501	1-249-429-11	CARBON	10K	5%	1/6W	
R503	1-247-833-00	CARBON	1.2K	5%	1/6W	
R504	1-247-833-00	CARBON	1.2K	5%	1/6W	
R506	1-249-421-11	CARBON	2.2K	5%	1/6W	
R507	1-249-429-11	CARBON	10K	5%	1/6W	
R508	1-247-859-00	CARBON	15K	5%	1/6W	
R509	1-247-859-00	CARBON	15K	5%	1/6W	
R510	1-247-859-00	CARBON	15K	5%	1/6W	
R511	1-247-859-00	CARBON	15K	5%	1/6W	
R513	1-247-833-00	CARBON	1.2K	5%	1/6W	
R514	1-247-841-00	CARBON	2.7K	5%	1/6W	
R515	1-249-414-11	CARBON	560	5%	1/6W	
R516	1-247-833-00	CARBON	1.2K	5%	1/6W	
R517	1-247-833-00	CARBON	1.2K	5%	1/6W	
R518	1-247-833-00	CARBON	1.2K	5%	1/6W	
R519	1-247-833-00	CARBON	1.2K	5%	1/6W	
R520	1-247-833-00	CARBON	1.2K	5%	1/6W	
R521	1-247-841-00	CARBON	2.7K	5%	1/6W	
R522	1-249-414-11	CARBON	560	5%	1/6W	
R523	1-247-833-00	CARBON	1.2K	5%	1/6W	
R524	1-247-833-00	CARBON	1.2K	5%	1/6W	
R525	1-247-833-00	CARBON	1.2K	5%	1/6W	
R526	1-247-833-00	CARBON	1.2K	5%	1/6W	
R529	1-247-811-00	CARBON	150	5%	1/6W	
R530	1-247-811-00	CARBON	150	5%	1/6W	
R532	1-247-795-00	CARBON	33	5%	1/6W	
R534	1-247-823-00	CARBON	470	5%	1/6W	
R535	1-247-799-00	CARBON	47	5%	1/6W	
R536	1-247-795-00	CARBON	33	5%	1/6W	
R540	1-249-429-11	CARBON	10K	5%	1/6W	
R542	1-249-421-11	CARBON	2.2K	5%	1/6W	
R543	1-249-421-11	CARBON	2.2K	5%	1/6W	
R544	1-249-421-11	CARBON	2.2K	5%	1/6W	
R545	1-249-421-11	CARBON	2.2K	5%	1/6W	
R546	1-249-421-11	CARBON	2.2K	5%	1/6W	
R547	1-249-421-11	CARBON	2.2K	5%	1/6W	
R548	1-249-421-11	CARBON	2.2K	5%	1/6W	
R553	1-249-425-11	(TC-W530)...CARBON	4.7K	5%	1/6W	
R554	1-247-831-00	CARBON	1K	5%	1/6W	
R555	1-247-831-00	(TC-W530)...CARBON	1K	5%	1/6W	
R556	1-249-441-11	CARBON	100K	5%	1/6W	
R557	1-249-434-11	CARBON	27K	5%	1/6W	
R558	1-249-429-11	CARBON	10K	5%	1/6W	
R559	1-247-815-00	CARBON	220	5%	1/6W	
R560	1-249-441-11	CARBON	100K	5%	1/6W	
R561	1-249-429-11	CARBON	10K	5%	1/6W	
R583	1-249-429-11	CARBON	10K	5%	1/6W	
R585	1-249-441-11	CARBON	100K	5%	1/6W	
R586	1-247-857-00	CARBON	12K	5%	1/6W	
R587	1-249-432-11	CARBON	18K	5%	1/6W	
R588	1-249-405-11	(TC-W530)...CARBON	100	5%	1/6W	
R589	1-249-433-11	CARBON	22K	5%	1/6W	
R590	1-247-783-00	CARBON	10	5%	1/6W	
R593	1-249-429-11	CARBON	10K	5%	1/6W	
R594	1-249-429-11	CARBON	10K	5%	1/6W	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R595	1-249-441-11	CARBON	100K	5%	1/6W
R596	1-249-441-11	CARBON	100K	5%	1/6W
R597	1-249-441-11	CARBON	100K	5%	1/6W
R598	1-249-441-11	CARBON	100K	5%	1/6W
R599	1-247-783-00	CARBON	10	5%	1/6W
R600	1-247-783-00	CARBON	10	5%	1/6W
R601	1-247-783-00	CARBON	10	5%	1/6W
R602	1-247-783-00	CARBON	10	5%	1/6W
R605	1-247-879-00	CARBON	100K	5%	1/6W
R606	1-247-879-00	CARBON	100K	5%	1/6W
R607	1-249-441-11	CARBON	100K	5%	1/6W
R608	1-247-903-00	CARBON	1M	5%	1/6W
R610	1-249-421-11	CARBON	2.2K	5%	1/6W
R611	1-249-429-11	CARBON	10K	5%	1/6W
R613	1-247-836-00	CARBON	1.6K	5%	1/6W
R614	1-247-836-00	CARBON	1.6K	5%	1/6W
R615	1-249-429-11	CARBON	10K	5%	1/6W
R616	1-249-429-11	CARBON	10K	5%	1/6W
R621	1-249-434-11	CARBON	27K	5%	1/6W
R627	1-247-815-00	CARBON	220	5%	1/6W
R628	1-249-421-11	CARBON	2.2K	5%	1/6W
R631	1-249-441-11	CARBON	100K	5%	1/6W
R634 $\Delta$	1-206-467-00	METAL OXIDE	15	5%	2W F
R635	1-247-903-00	CARBON	1M	5%	1/6W
R636	1-247-841-00	CARBON	2.7K	5%	1/6W
R801	1-247-872-00	CARBON	51K	5%	1/6W
R802	1-249-437-11	CARBON	47K	5%	1/6W
R803	1-247-903-00	CARBON	1M	5%	1/6W
R851	1-247-872-00	CARBON	51K	5%	1/6W
R852	1-249-437-11	CARBON	47K	5%	1/6W
R853	1-247-903-00	CARBON	1M	5%	1/6W
R891	1-247-893-00	CARBON	390K	5%	1/6W
R893	1-247-815-00	CARBON	220	5%	1/6W
R894	1-247-834-00	CARBON	1.3K	5%	1/6W
R895	1-249-441-11	CARBON	100K	5%	1/6W
RV101	1-228-670-00	RES, VAR, SLIDE 20K			
RV102	1-228-994-00	RES, ADJ, CARBON 10K			
RV103	1-228-994-00	RES, ADJ, CARBON 10K			
RV104	1-228-994-00	RES, ADJ, CARBON 10K			
RV201	1-228-670-00	RES, VAR, SLIDE 20K			
RV202	1-228-994-00	RES, ADJ, CARBON 10K			
RV203	1-228-994-00	RES, ADJ, CARBON 10K			
RV204	1-228-994-00	RES, ADJ, CARBON 10K			
RV501	1-228-995-00	RES, ADJ, CARBON 22K			

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV502	1-228-995-00	RES, ADJ, CARBON 22K
RV503	1-228-995-00	RES, ADJ, CARBON 22K
RV504	1-228-995-00	RES, ADJ, CARBON 22K
RY301	1-515-547-11	RELAY
S301	1-570-499-11	SWITCH, PUSH (3 KEY)
S302	1-570-531-11	SWITCH, PUSH (2 KEY)
S303	1-570-103-21	SWITCH, PUSH (1 KEY)
S801	1-554-980-11	SWITCH, KEY BOARD
S802	1-554-980-11	SWITCH, KEY BOARD
S805	1-554-980-11	SWITCH, KEY BOARD
S807	1-554-980-11	SWITCH, KEY BOARD
S808	1-554-980-11	SWITCH, KEY BOARD
S809	1-554-980-11	SWITCH, KEY BOARD
S810	1-554-980-11	SWITCH, KEY BOARD
S812	1-554-980-11	SWITCH, KEY BOARD
S813	1-554-980-11	SWITCH, KEY BOARD
S814	1-554-980-11	SWITCH, KEY BOARD
S815	1-554-980-11	SWITCH, KEY BOARD
S816	1-554-980-11	SWITCH, KEY BOARD
S817	1-554-980-11	SWITCH, KEY BOARD
SPK101	1-235-186-00	ENCAPSULATED COMPONENT
SPK201	1-235-186-00	ENCAPSULATED COMPONENT
T301	1-433-309-11	TRANSFORMER, BIAS OSCILLATION
T901 $\Delta$	1-448-376-11	(TC-W530:US,Canadian) ...TRANSFORMER, POWER
T901 $\Delta$	1-448-377-11	(TC-W530:AEP).....TRANSFORMER, POWER
X501	1-527-802-00	OSCILLATOR, CERAMIC
X502	1-527-532-00	OSCILLATOR, CERAMIC

## ACCESSORY & PACKING MATERIAL

Part No.	Description
1-558-233-11	(TC-W530)...CORD (WITH CONNECTOR)(SIRCS)4P
1-558-543-11	(TC-W530)...CORD, CONNECTION
3-330-028-11	INDIVIDUAL CARTON
3-332-448-01	CUSHION
3-701-630-00	BAG, POLYETHYLENE
3-701-630-01	(TC-W530)....BAG, POLYETHYLENE
3-703-450-01	INSTRUCTION
3-765-226-11	(TC-W530:AEP).....MANUAL, INSTRUCTION
3-765-226-21	(TC-W530:US,Canadian)...MANUAL, INSTRUCTION
3-765-226-31	(TC-W530:Canadian).....MANUAL, INSTRUCTION
3-765-226-41	(TC-W530:AEP).....MANUAL, INSTRUCTION
4-876-352-00	(TC-W530)....SHEET, PROTECTION

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



